LG

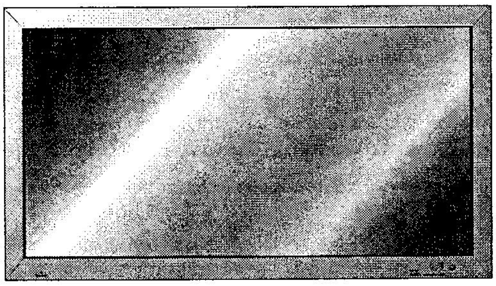
PLASMA MONITOR SERVICE MANUAL

CHASSIS : RF-03LA

MODEL : MT-60PZ90V
MODEL : MZ-60PZ92V

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube.** Do not lift the Picture tube by it's Neck.

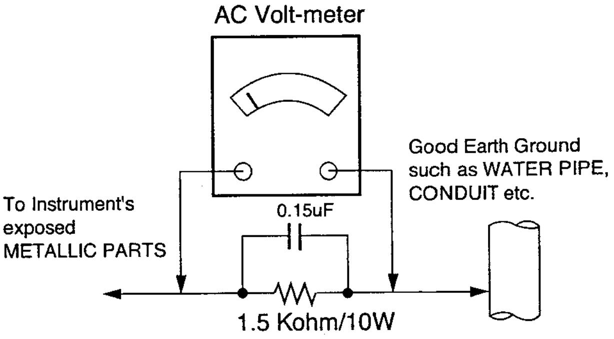
Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

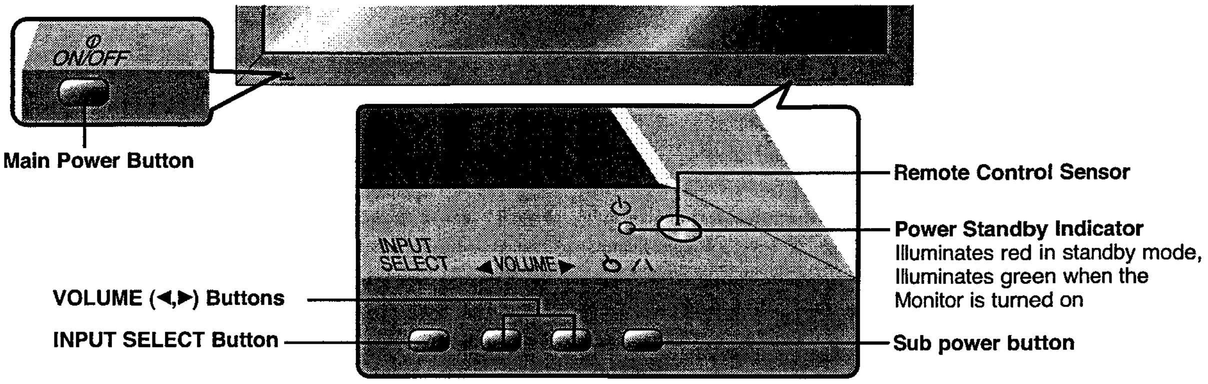
Leakage Current Hot Check circuit


AC Volt-meter
To Instrument's exposed METALLIC PARTS
0.15uF
1.5 Kohm/10W
Good Earth Ground such as WATER PIPE, CONDUIT etc.

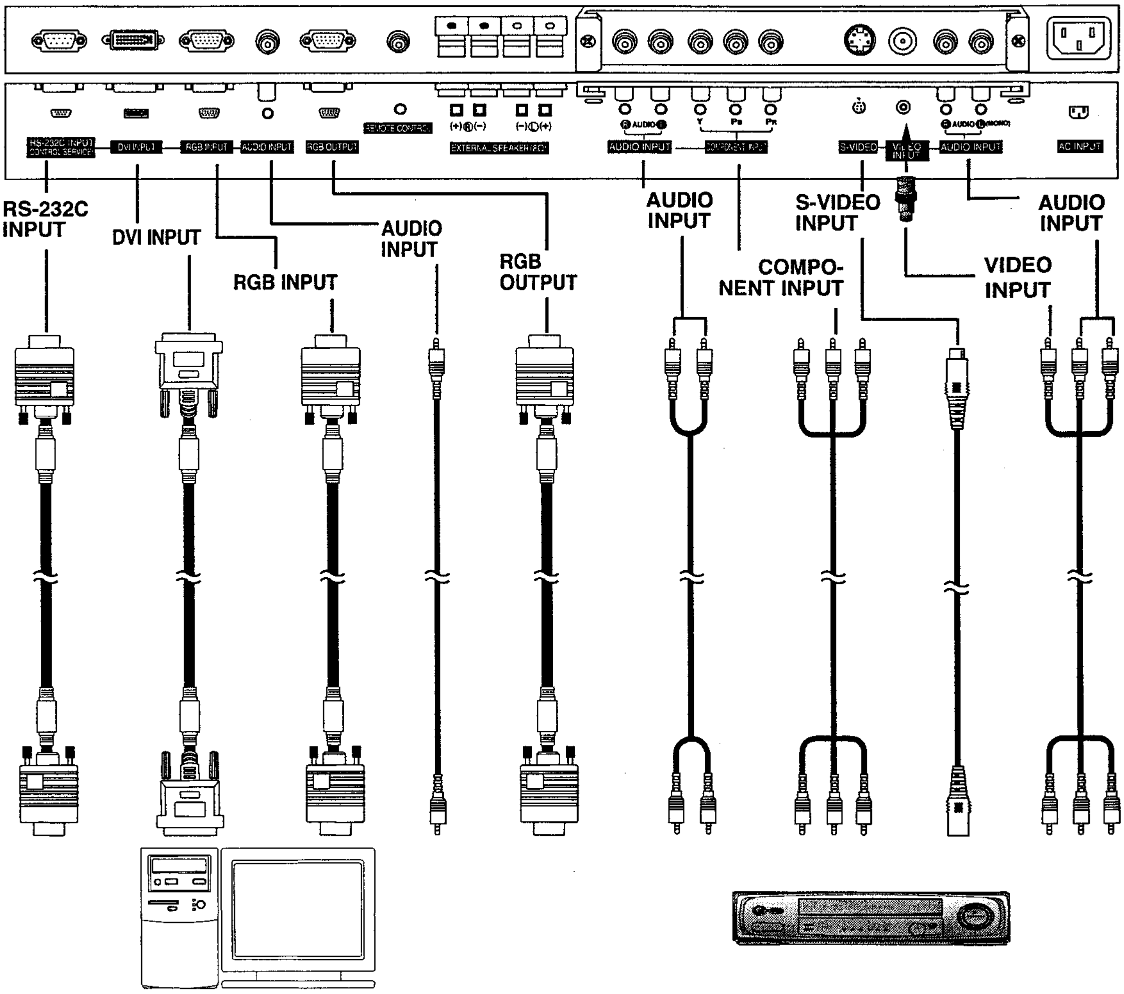
DESCRIPTION OF CONTROLS

- Shown is a simplified representation of the Monitor.
- Here shown may be somewhat different from your set.

<Front Panel Controls>


ON/OFF
Main Power Button
INPUT SELECT
VOLUME
VOLUME (◄,►) Buttons
INPUT SELECT Button
Remote Control Sensor
Power Standby Indicator
Illuminates red in standby mode,
Illuminates green when the
Monitor is turned on
Sub power button

<Back Panel>


RS-232C INPUT
DVI INPUT
RGB INPUT
AUDIO INPUT
RGB OUTPUT
AUDIO INPUT
COMPONENT INPUT
S-VIDEO INPUT
VIDEO INPUT
AUDIO INPUT
REMOTE CONTROL
EXTERNAL SPEAKER
AC INPUT

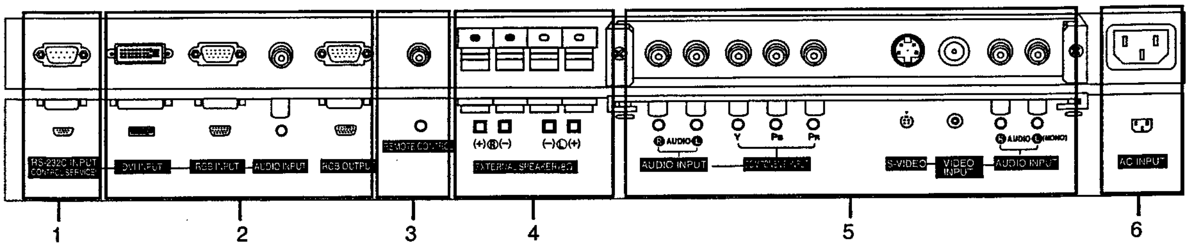
Connection to PC

Connection to AV equipment

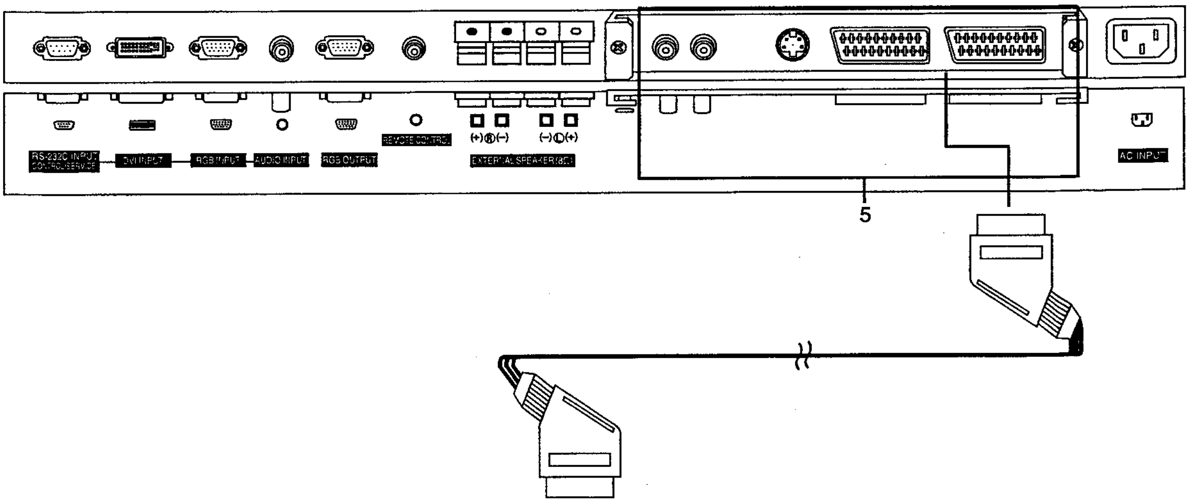
Note: The connection cables shown above to the right are not included with the Monitor.
A D-sub 15-pin cable and a DVI cable are provided to connect the Monitor to a PC.

<Back Panel>

RCA Type


RS-232C INPUT (CONTROL/SERVICE)
DVI INPUT
RGB INPUT
AUDIO INPUT
RGB OUTPUT
REMOTE CONTROL
(+)Ⓡ(-)
(-)Ⓛ(+)
EXTERNAL SPEAKER(8Ω)
AUDIO
Y
PB
PR
AUDIO INPUT
COMPONENT INPUT
S-VIDEO
VIDEO INPUT
AUDIO (MONO)
AUDIO INPUT
AC INPUT
1
2
3
4
5
6

Scart Type


RS-232C INPUT (CONTROL/SERVICE)
DVI INPUT
RGB INPUT
AUDIO INPUT
RGB OUTPUT
REMOTE CONTROL
(+)Ⓡ(-)
(-)Ⓛ(+)
EXTERNAL SPEAKER(8Ω)
AC INPUT
5

1. **RS-232C INPUT(CONTROL/SERVICE) PORT**
   Connect to the RS-232C port on a PC.

2. **DVI INPUT / RGB INPUT / AUDIO INPUT SOCKETS**
   Connect the monitor output socket of the PERSONAL COMPUTER to this socket.

   RGB OUTPUT SOCKET
   You can watch the RGB signal on another monitor, connect RGB OUTPUT to another monitor's PC input port.

3. **REMOTE CONTROL**
   Connect your wired remote control to the Remote port on the Monitor.

4. **EXTERNAL SPEAKER OUTPUT (8 ohm)**
   Connect to optional external speaker(s).
   *For further information, refer to 'Speaker & Speaker Stand' manual.

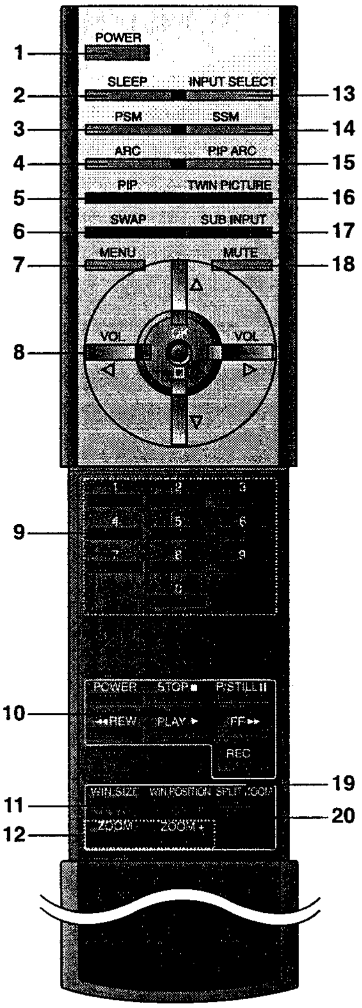
5. **AUDIO / COMPONENT INPUT / S-VIDEO / VIDEO INPUT / AUDIO INPUT SOCKETS**

   EURO SCART SOCKET

   Note : The interface board (AP-60EA30/31) is not equipped on MT/MZ-60PZ90/92 series models. Contact your dealer for buying this optional item.

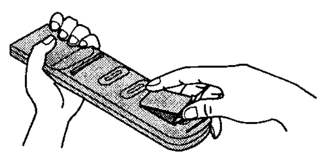
6. **POWER CORD SOCKET**
   This Monitor operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.

- When using the remote control aim it at the remote control sensor of the Monitor.
- There's maybe defect in consecutive operation of remote control in specified brightness according to this monitor feature.


POWER
SLEEP
INPUT SELECT
PSM
SSM
ARC
PIP ARC
PIP
TWIN PICTURE
SWAP
SUB INPUT
MENU
MUTE
OK
VOL
VOL
1
2
3
4
5
6
7
8
9
0
POWER
STOP ■
P/STILL II
◄◄REW
PLAY ►
FF ►►
REC
WIN.SIZE
WIN.POSITION
SPLIT ZOOM
ZOOM -
ZOOM +
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

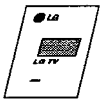
1. **POWER**
   switches the set on from standby or off to standby.
2. **SLEEP**
   sets the sleep timer.
3. **PSM (Picture Status Memory)**
   recalls your preferred picture setting.
4. **ARC (Aspect Ratio Control)**
   changes the picture format.
5. **PIP**
   switches the sub picture on or off.
6. **SWAP**
   alternates between main and sub picture.
7. **MENU Button**
   selects a menu.
8. **▲ / ▼**
   selects a menu item.
   ◄ / ► (Volume Down/Up)
   adjusts the volume.
   adjusts menu settings.
   OK
   displays the current mode.
9. **NUMBER BUTTONS**
10. **VCR BUTTONS**
    control a LG video cassette recorder.
11. **WIN. SIZE**
    adjusts the sub picture size.
12. **ZOOM-/ZOOM+**
13. **INPUT SELECT BUTTON**
    selects TV, AV or PC monitor mode.
14. **SSM (Sound Status Memory)**
    recalls your preferred sound setting.
15. **PIP ARC**
    changes the picture format of PIP.
16. **TWIN PICTURE**
17. **SUB INPUT**
    selects the input mode for the sub picture.
18. **MUTE Button**
    switches the sound on or off.
19. **SPLIT ZOOM**
    enlarge the screen with regular ration.
20. **WIN.POSITION**
    moves the sub picture to ▲ / ▼ or ◄ / ► direction.

Installing Batteries

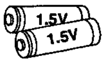


- Open the battery compartment cover on the back side and insert the batteries with correct polarity.
- Apply two 1.5V alkaline batteries of AAA type. Don't mix the used batteries with new batteries.
- Install the batteries with the correct polarities.

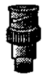
Accessories

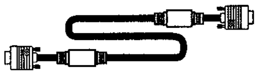

Owner's Manual

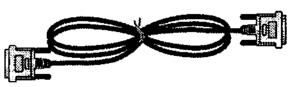
Remote control handset

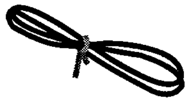


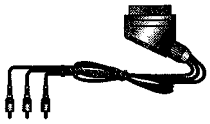
Alkaline batteries


BNC-RCA adapter (optional)


D-sub 15 pin cable

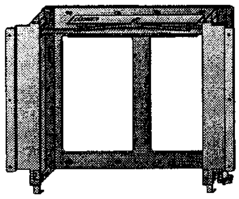

DVI cable

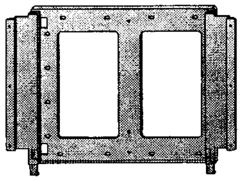

Power cord

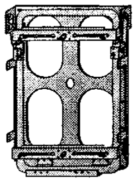

Phone scart cable (Optional)

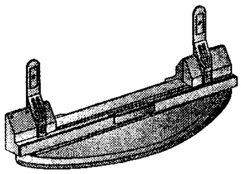
Optional Extras

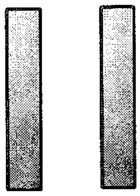
- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.

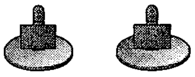

Tilt wall mounting bracket

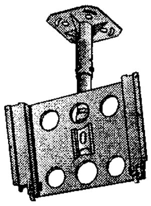

Wall mounting bracket

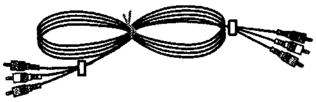

Vertical Wall mounting bracket

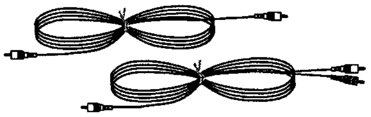

Desktop stand


Speakers


Desktop Speaker stand


Ceiling mounting bracket


Video cables


PC audio cables

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Scope

This specification can be applied to all model of 60"PDP MONITOR related to RF-03LA Chassis.

Chassis	Model Name	Market Place	Brand
RF-03LA	MZ-60PZ92V	EU	LG
	MT-60PZ90V	N-EU	

■ Test Condition

1) Temperature : 25±5°C
2) Relative Humidity: 65±10%
3) Power Voltage:Standard Input Voltage
   (AC 110V-240V~, 50/60Hz)
   But Standard input voltage of each product is marked by model.
4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test and Inspection Method

1) Performance : Follow the Standard of LG TV test
2) Demanded other specification
   Safety: UL, CSA, IEC specification
   EMC : Fcc, ICES, IEC specification

Model Name	Market	Remark
MZ-60PZ92V	EU	Safety: IEC60065,IEC60095 EMI : EN55013 -Conducted / Radiation
MT-60PZ90V	N-EU	Safety : IEC60065,IEC60095 EMI : EN55013 -Conducted / Radiation

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the PDP MONITOR, RF-03FA chassis.

2. Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 220V, 60Hz in adjusting.
(5) The receiver must be operated for about 15 minutes prior to the adjustment.

① After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.

② Enter into HEAT-RUN mode
- Press the POWER ON Key on Remote Control for adjustment.
- Press the VOL + Key. HEAT RUN WHITE OSD display and screen display 100% full WHITE PATTERN.

⁎ Set is activated HEAT-RUN without signal generator in this mode.

⁎ Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check PANEL.

Caution) If you turn on a still screen more than 20 minutes, a after image may be occur in the black level part of the screen.

Each PCB Assy must be checked by the Check JIG Set before whole assembly. (Be careful the POWER PCB Assy not to damage to PDP Module)

3. POWER PCB Assy Voltage Adjustment (Va, Vs, Voltage Adjustment)

3-1. Test Equipment

: D.M.M 1EA

3-2. Connection Diagram for Measuring

: refer to fig.1

3-3. Adjustment Method

(1) PFC adjustment

① After receiving 100% Full White Pattern(06CH), HEAT RUN.

② Connect +terminal of D.M.M to TP1 PFC+(J8302), connect -terminal to TP2 PFC-(J8301)

③ After turning VR 801, voltage of D.M.M adjust 380V (deviation; ±1V)

(2) Va Adjustment

① After receiving 100% Full White Pattern, HEAT RUN.

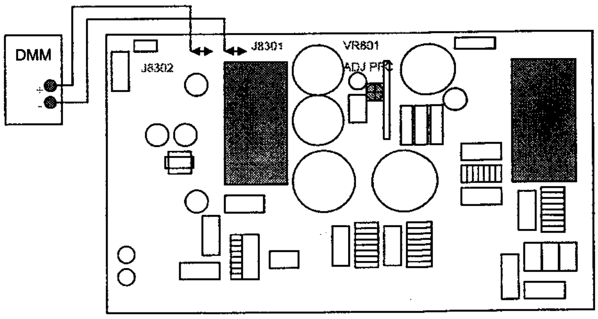
② Connect + terminal of D.M.M to Va pin of P805 and connect – terminal to GND pin of P805.

③ After turning the VR8401, voltage of D.M.M adjustment as same as Va voltage which on label of panel Right/Top. (Deviation : ±0.5V)

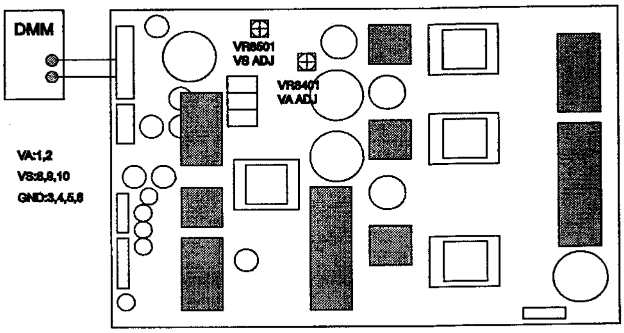
(3) Vs Adjustment

① Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of P805.

② After turning the VR8501, voltage of D.M.M adjustment as same as Vs voltage which on label of panel Right/Top. (Deviation : ±0.5V)



<Fig.1> Connection Diagram of Power Adjusment for Measuring



<Fig.2> Connection Diagram of Vs, Va Power adjusment for measuring

4. RGB Auto Cut-Off & MIN Bias MAX Bias adjustment

(1) Input Full White (255 Gray) signal which generated from Pattern Generator into RGB.
(2) Press POWER ON KEY on R/C for adjustment and select Auto Cut-Off.
(3) Press Vol. + key and operate TO SET
(4) Original Window screen will be presented about 3-5 seconds later. And if there is a mark of OK OSD, then Auto Cut-off will be completed.
(5) After adjustment, Press (■)ENTER Key to save adjustment mode.

- Data value, which adjusted in the board, is valid until the VSC Board is dissuaded and must be protected.

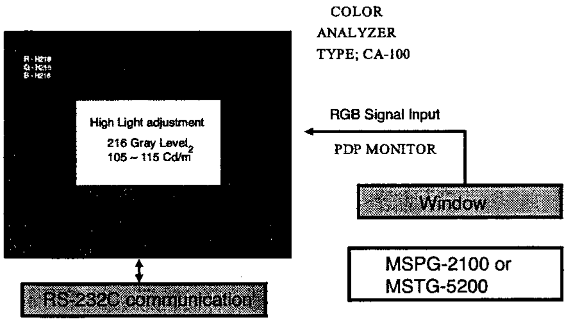
- For the protection of data, Micom does not permit any more adjustment is completed well.
- In case of re-adjustment, operate First Value Setting.
  1) Press both Volume +key of local key instart key of R/C for adjustment.
  2) Few second later, Temperture OSD display, then Press onstop key of R/C for adjustment.

5. Adjustment of White Balance

5-1. Required Equipment

Color analyzer (CA-100 or same product)

5-2. Connection Diagram of Equipment for Measuring (Auto Adjustment)



<Fig.3> Connection Diagram of Manual Adjustment

5-3. Adjustment of White Balance(Manual adjustment)

- Operate the Zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust..
- For manual adjustment, it is also possible by the following sequence.

(1) Select WHITE PATTERN of HEAT RUN mode by pressing POWER ON KEY on R/C for adjustment then operate HEAT RUN more than 15 minute.
(2) Supply 216Gray Level, 50% size length and breadth signal to RGB input.
(3) To adjust High Light, stick sensor to 216Gray Level(or 105~115 Cd/m2) Pattern, press ADJ Key on R/C for adjustment and press ▲, ▼ on R/C in adjustment mode to select R-H or G-H, press VOL +, - Key and adjust it until color coordination becomes as below.
X: 0.280±0.003, Y: 0.290±0.003
Color temperature: 10,000°K±500°K
(4) Exit adjustment mode using ■ Key.

5-4. Auto adjustment (RS-232C)

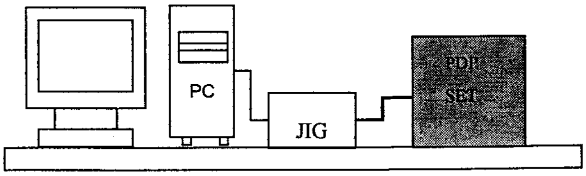
<table>
<tr><td colspan="7">RF-03LA</td></tr>
<tr><td colspan="2">Type</td><td colspan="5">RS232</td></tr>
<tr><td colspan="2">Baud Rate</td><td colspan="2">Data bit</td><td>Stop bit</td><td>Parity</td><td></td></tr>
<tr><td colspan="2">1150200</td><td colspan="2">8</td><td>1</td><td>NONE</td><td></td></tr>
<tr><td rowspan="5">Protocol Setting</td><td>Index</td><td>Cmd1</td><td>Cmd2</td><td>Data</td><td>Min Value</td><td>Max Value</td></tr>
<tr><td>R-H</td><td>j</td><td>a</td><td></td><td>180(B4)</td><td>254(FE)</td></tr>
<tr><td>G-H</td><td>j</td><td>b</td><td></td><td>170(A4)</td><td>250(FA)</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table>

6. DDC Data Input

6-1. Required Test Equipment

(1) A jig for adjusting PC, DDC. (PC serial to D-sub. Connection equipment)
(2) S/W for writing DDC(EDID data write & read)
(3) D-Sub 15P cable, D-Sub to DVI Connector (Connect to DVI Jack)

6-2. Setting of Device



6-3. Preparation for Adjustment

(1) Set devices as above and turn the PC, jig on.
(2) Put S/W for writing DDC (EDID data write & read) into operation. (operated in DOS mode.)

6-4. Sequence of Adjustment

(1) DDC Data Input for Analog-RGB
  ① Put the set on the table and turn the power on.
  ② Connect PC Serial to D-sub 15P Cable of JIG for DDC adjustment to RGB terminal (D-Sub 15Pin).
  ③ Operate S/W for DDC record and select DDC Data for Analog RGB in Model Menu.
  ④ Operate EDID Write command.
  ⑤ Operate EDID Read command and check whether Check Sum is OK.
  ⑥ If Check Sum is NG, repeat ③ ~ ④.
  ⑦ If Check Sum is OK, DDC Data for Analog-RGB input is completed.

(2) DDC Data input for Digital-RGB(DVI)
  ① Connect PC Serial to DVI Cable of JIG for DDC adjustment to DVI terminal (DVI Jack).

② Operate S/W for DDC record and select DDC Data for Digital RGB in Model Menu.
③ Operate EDID Write command.
④ Operate EDID Read command and check whether Check Sum is OK.
⑤ If Check Sum is NG, repeat ③ ~ ④.
⑥ If Check Sum is OK, DDC Data for Digital-RGB input is completed.

7. Adjustment of Component Off-Set

7-1. Required Test Equipment

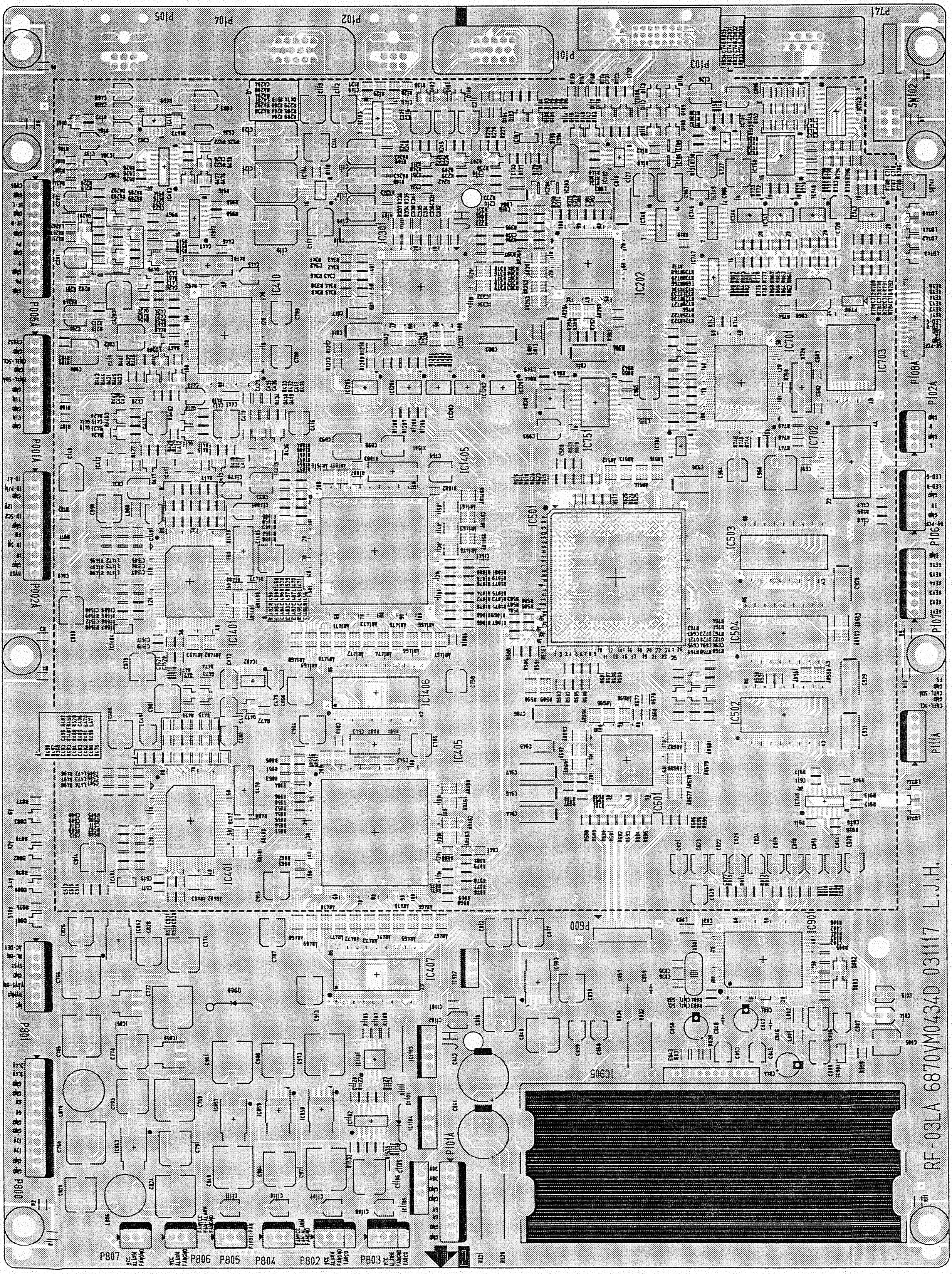
: HD-STB(SK-011T) or same product

7-2. Manual Adjustment of Component Off-Set

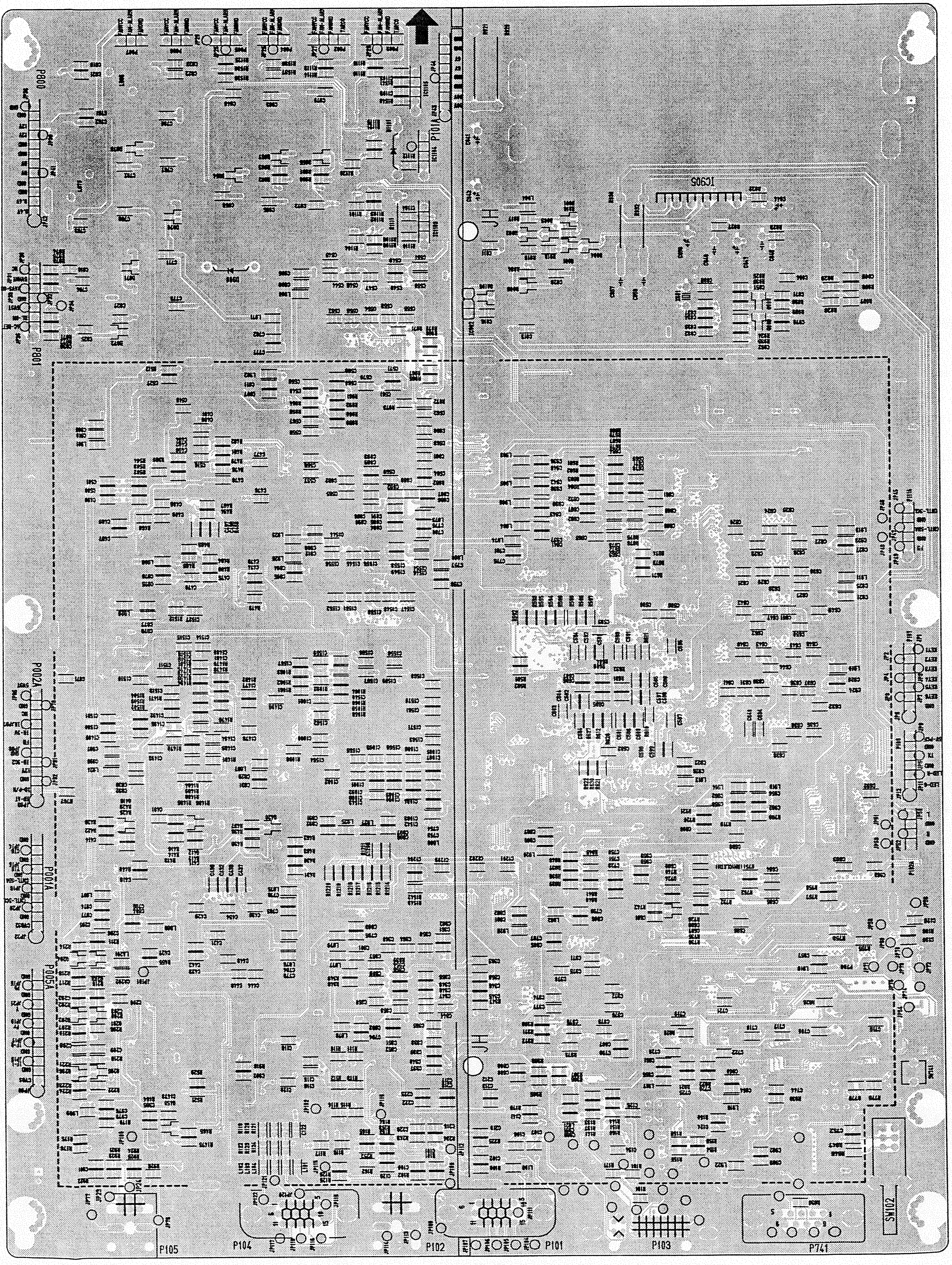
(1) Input Video signal and Component 720P signal of HD-STB.
(2) Press ADJ key of R/C twice for entering twin picture mode.
(3) Adjust the same color senses between main and sub, using Volume +; -key of R/C in R, G, B Off-Set menu.

PRINTED CIRCUIT BOARD

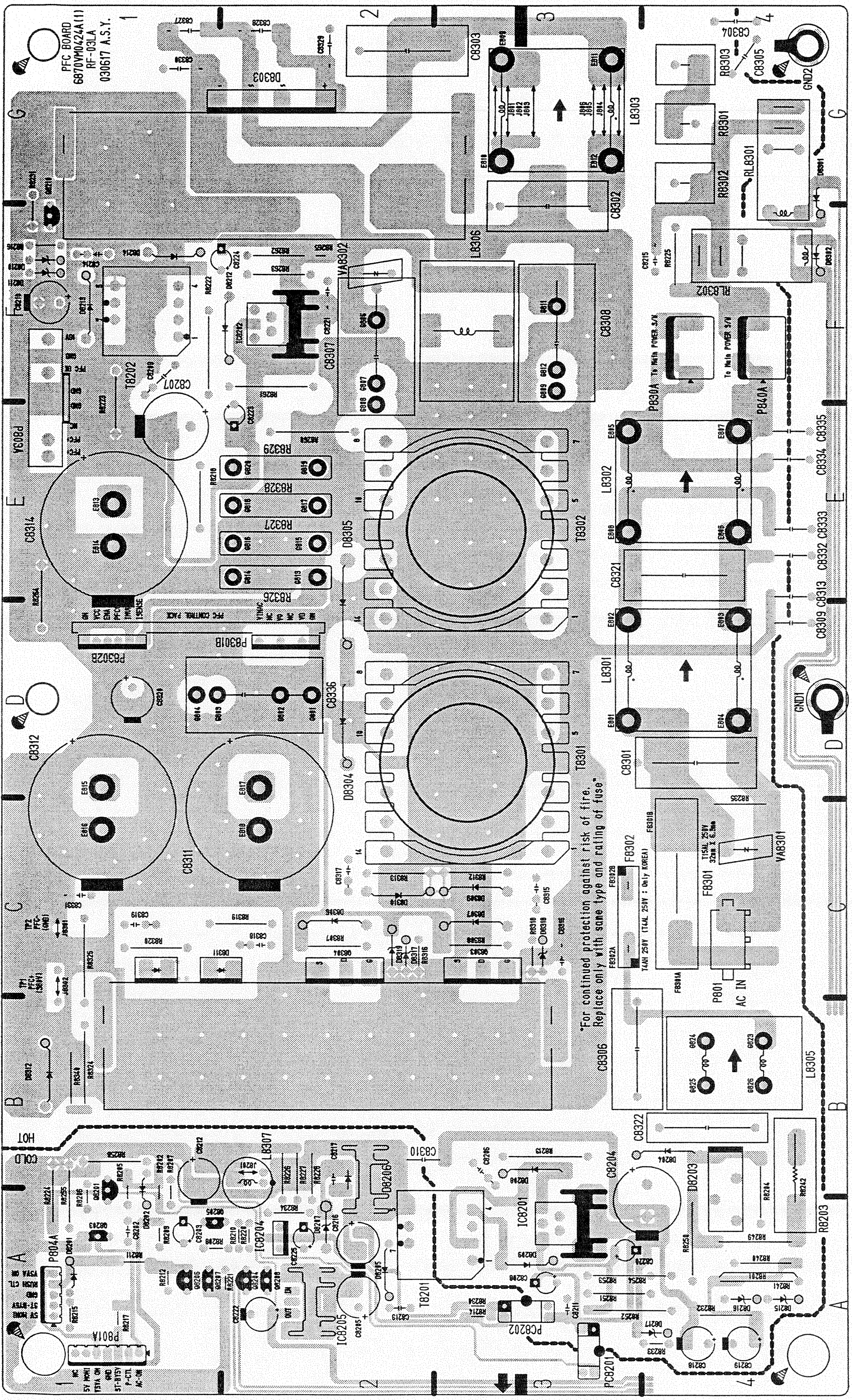
MAIN (TOP)


P105
P104
P102
P101
P103
P741
SW102
P006A
P001A
P002A
P108A
P102A
P106
P107
P111A
IC301
IC202
IC410
IC701
IC703
IC751
IC702
IC1405
IC501
IC503
IC504
IC502
IC1401
IC1406
IC405
IC601
IC401
IC407
IC901
P600
IC905
P101A
P801
P800
P807
P806
P805
P804
P802
P803
RF-03LA 6870VM0434D 031117
L.J.H.

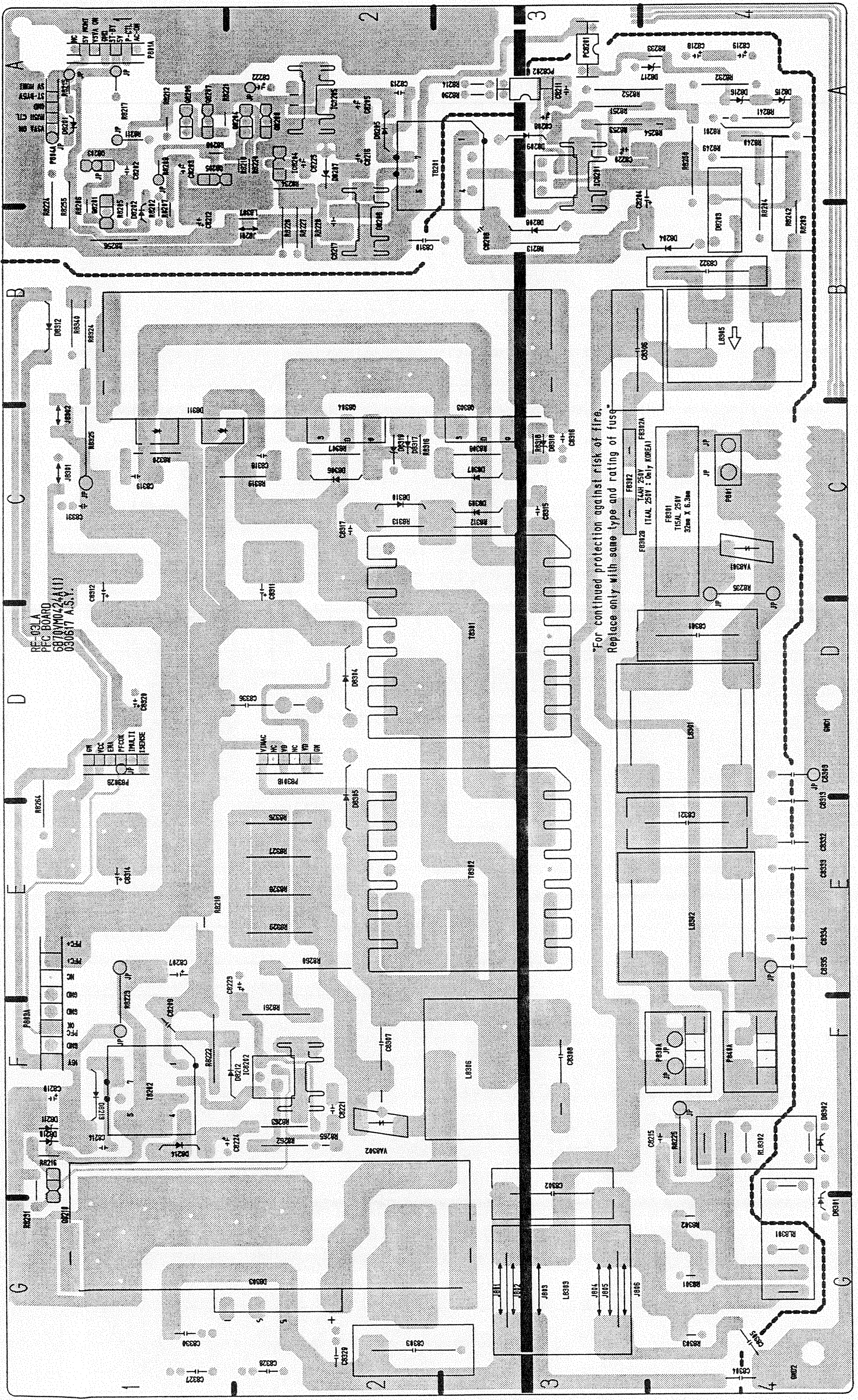
MAIN (BOTTOM)


P800
P801
P802A
P001A
P005A
P101A
IC905
JH
P105
P104
P102
P101
P103
P741
SW102

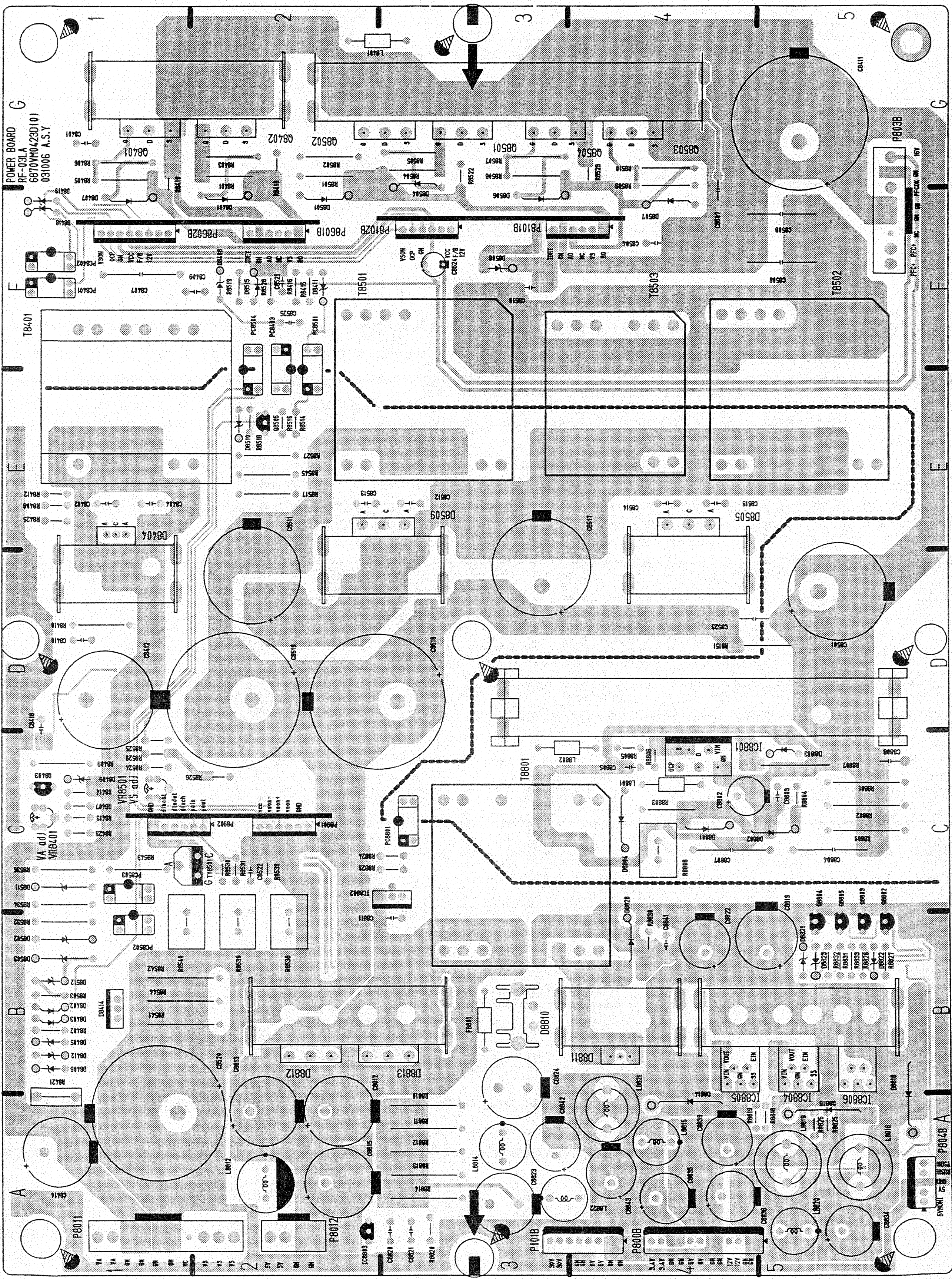
PFC (TOP)


PFC BOARD
6870VM0424A(1)
RF-03LA
030617 A.S.Y.
"For continued protection against risk of fire.
Replace only with same type and rating of fuse"
T8301
T8302
L8301
L8302
L8303
L8305
L8306
L8307
C8311
C8312
C8314
C8336
D8303
D8304
D8305
F8301
F8302
P801
AC IN
P830A
P840A
P804A
P801A
P8301B
P8302B
RL8301
RL8302
VA8301
VA8302
IC8201
IC8204
IC8205
PC8201
PC8202
T8201
T8202
GND1
GND2
HOT
COLD

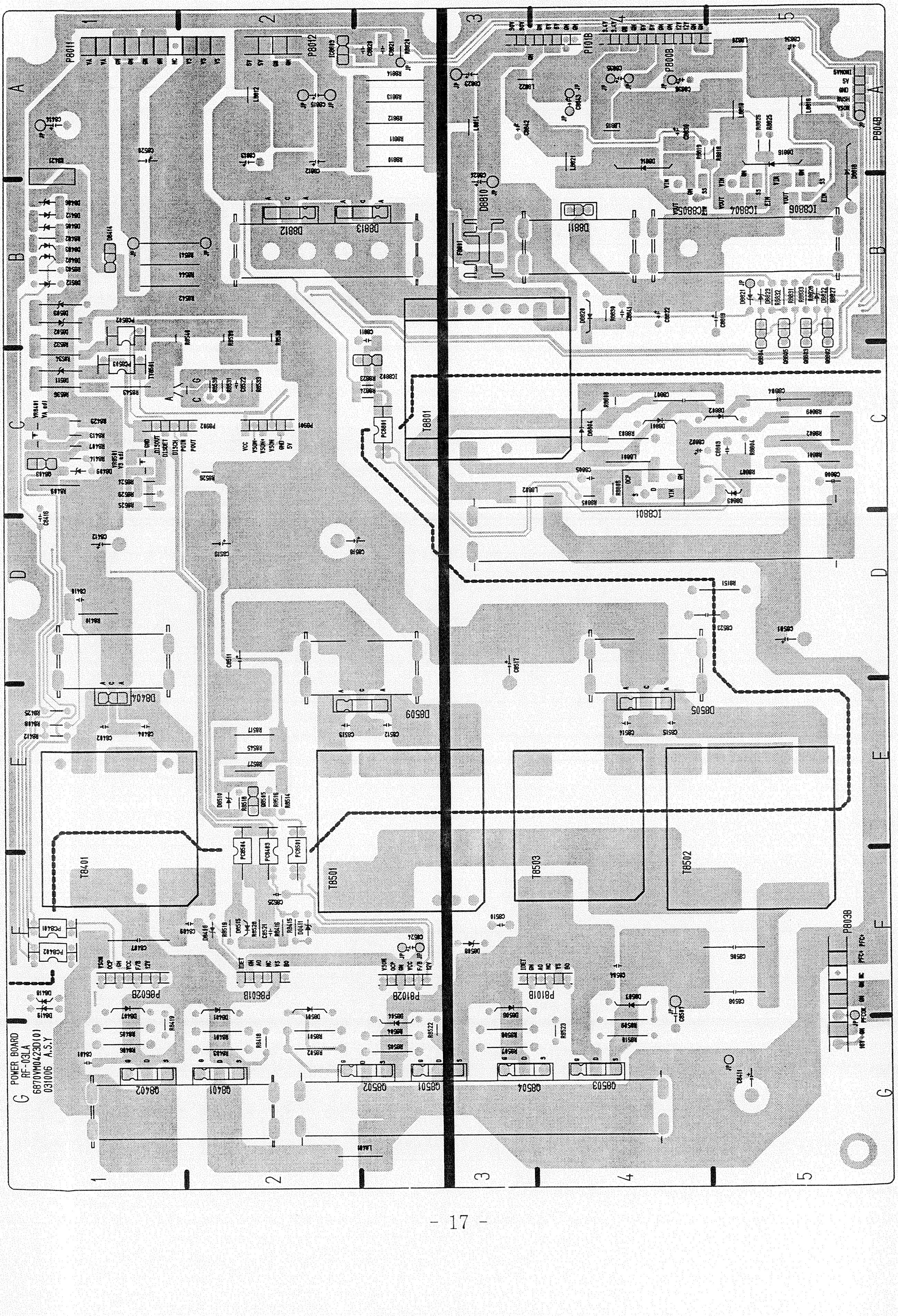
PFC (BOTTOM)


RF-03LA
PFC BOARD
6870VM0424A(1)
030617 A.S.Y.
"For continued protection against risk of fire,
Replace only with same type and rating of fuse"
F8302
T4AH 250V
(T4AL 250V : Only KOREA)
F8302A
F8302B
F8301
T15AL 250V
32mm X 6.3mm
T8301
T8302
L8301
L8302
L8305
L8306
L8303
A
B
C
D
E
F
G
1
2
3
4

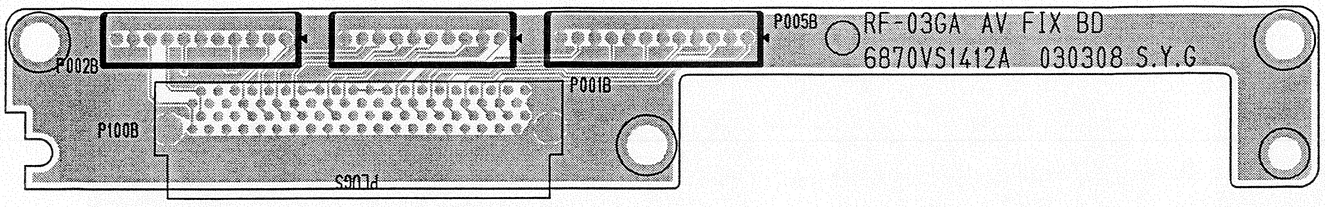
PFC (TOP)


POWER BOARD
RF-03LA
6870VM0423D(01)
031006 A.S.Y
1
2
3
4
5
G
F
E
D
C
B
A
L8401
C8411
Q8401
Q8402
Q8502
Q8501
Q8504
Q8503
P8038
P8602B
P8601B
P8102B
P8101B
T8401
T8501
T8503
T8502
D8404
D8509
D8505
C8511
C8517
C8501
C8412
C8519
C8510
C8529
VR8501
V5 adj
VA adj
VR8401
P8902
P8901
IC8801
T8801
PC8801
IC8802
D8812
D8813
F8801
D8810
D8811
IC8805
IC8804
IC8806
P8011
P8012
P101B
P800B
P8048

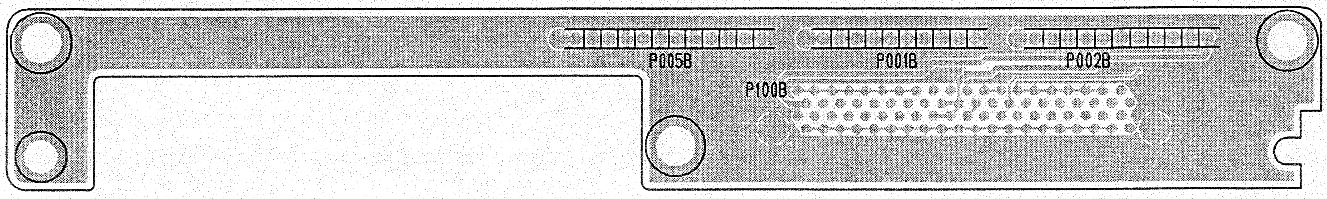
PFC (BOTTOM)


A
B
C
D
E
F
G
1
2
3
4
5
P8011
P8012
P101B
P800B
P804B
P803B
P8602B
P8601B
P8102B
P8101B
T8801
T8401
T8501
T8503
T8502
IC8801
IC8804
IC8805
IC8806
D8812
D8813
D8811
D8810
D8404
D8509
D8505
Q8402
Q8401
Q8502
Q8501
Q8504
Q8503
PC8501
PC8503
PC8504
PC8801
POWER BOARD
RF-03LA
6870VM0423D(0)
031006 A.S.Y

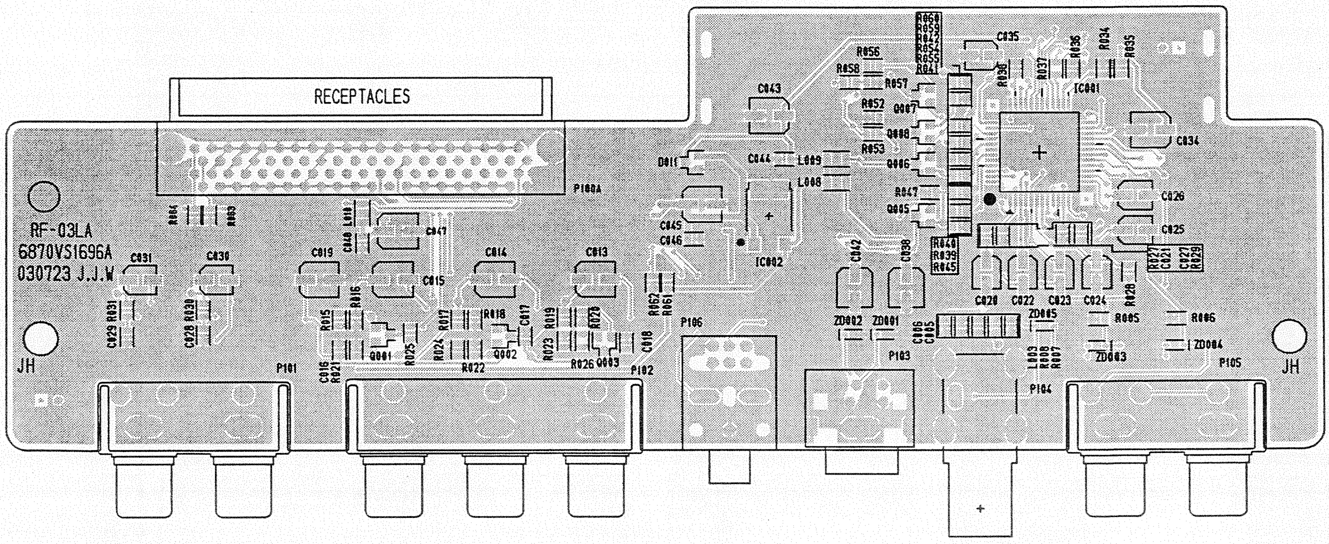
AV FIX (TOP)


P002B
P100B
P001B
P005B
PLUGS
RF-03GA AV FIX BD
6870VS1412A 030308 S.Y.G

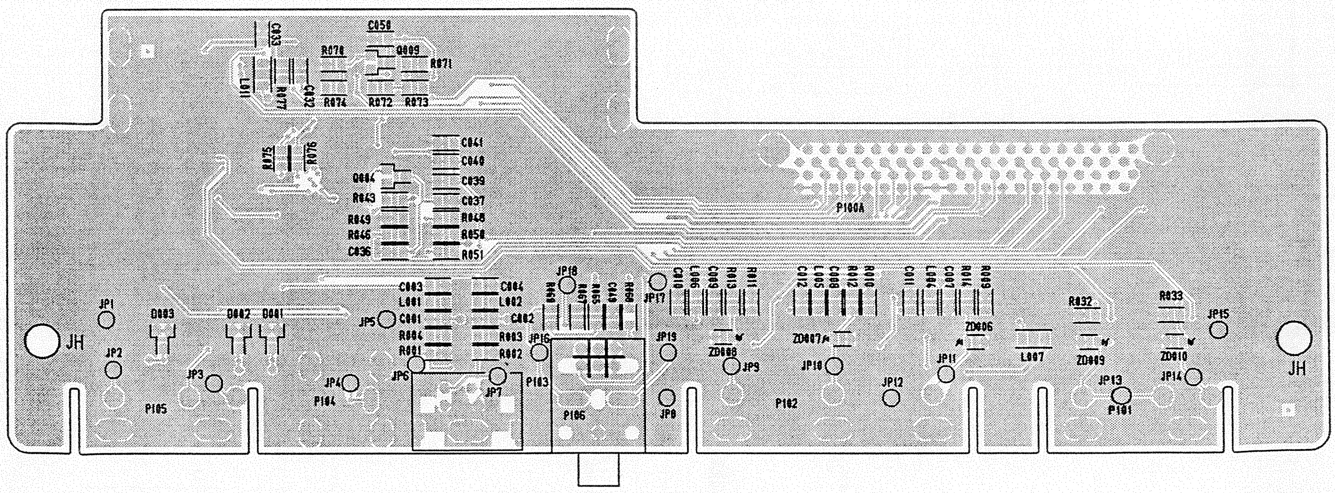
AV FIX (BOTTOM)


P005B
P001B
P002B
P100B

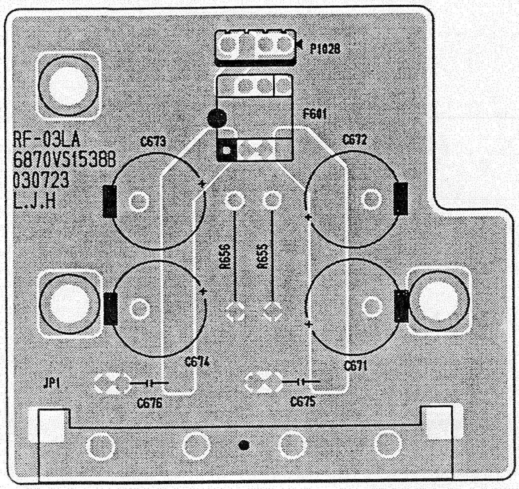
AV INTERFACE (TOP)


RECEPTACLES
P100A
RF-03LA
6870VS1696A
030723 J.J.W
IC001
IC002
P101
P102
P103
P104
P105
P106
JH
JH

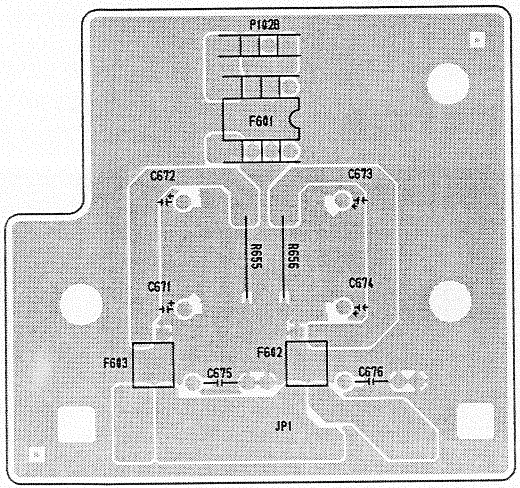
AV INTERFACE (BOTTOM)


P100A
P101
P102
P103
P104
P105
P106
L007
JH
JH

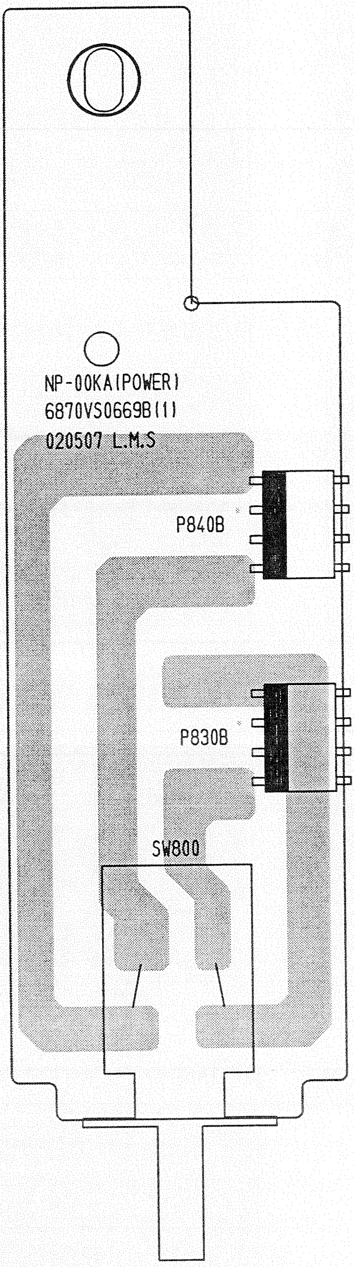
SPEAKER (TOP)


P102B
F601
RF-03LA
6870VS1538B
030723
L.J.H
C673
C672
R656
R655
C674
C671
JP1
C676
C675

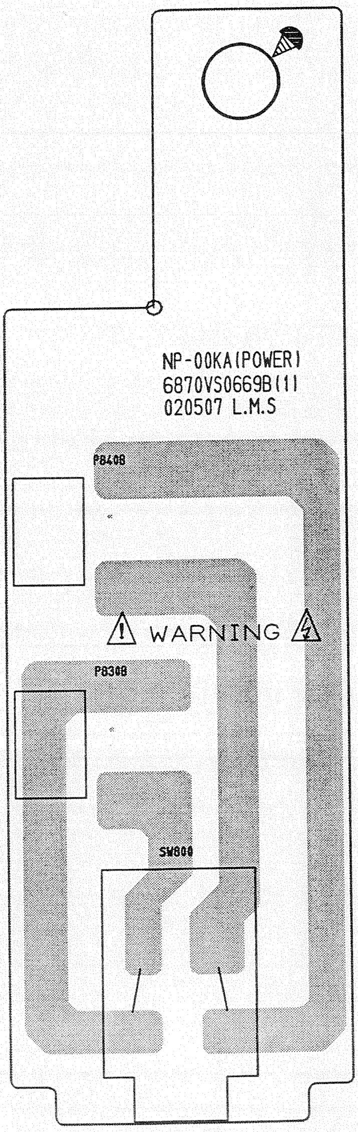
SPEAKER (BOTTOM)


P102B
F601
C672
C673
R655
R656
C671
C674
F603
F602
C675
C676
JP1

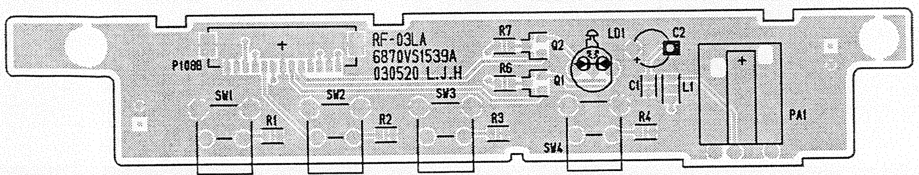
POWER S/W (TOP)


NP-00KA(POWER)
6870VS0669B(1)
020507 L.M.S
P840B
P830B
SW800

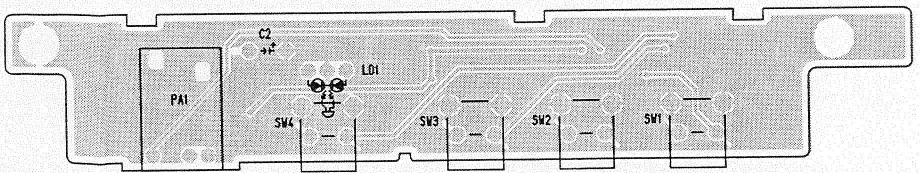
POWER S/W (BOTTOM)


NP-00KA(POWER)
6870VS0669B(1)
020507 L.M.S
P840B
WARNING
P830B
SW800

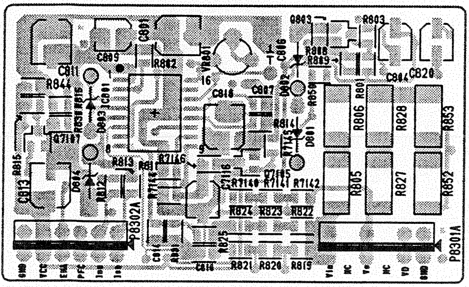
CONTROL BOARD (TOP)


RF-03LA
6870VS1539A
030520 L.J.H
P109B
R7
Q2
LD1
C2
R6
Q1
C1
L1
SW1
SW2
SW3
R1
R2
R3
R4
SW4
PA1

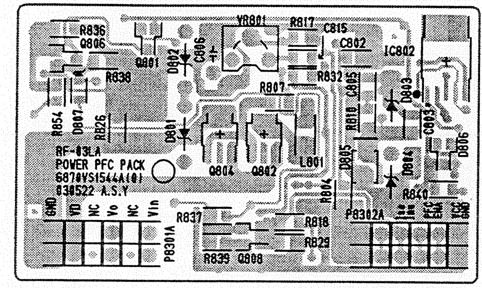
CONTROL BOARD (BOTTOM)


C2
LD1
PA1
SW4
SW3
SW2
SW1

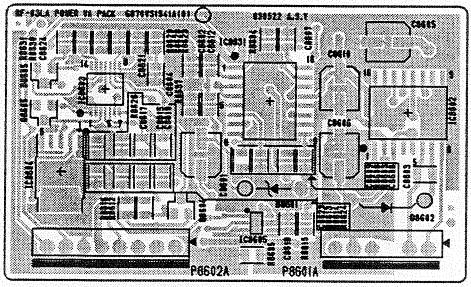
POWER PFC PACK (TOP)


P8302A
P8301A
R806
R828
R853
R805
R827
R852

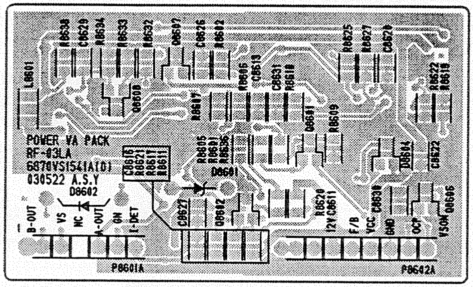
POWER PFC PACK (BOTTOM)


RF-03LA
POWER PFC PACK
6870VS1544A(0)
030522 A.S.Y
P8301A
P8302A
VR801
IC802

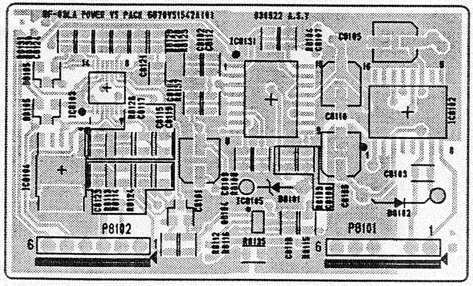
POWER VA PACK (TOP)


P8602A
P8601A

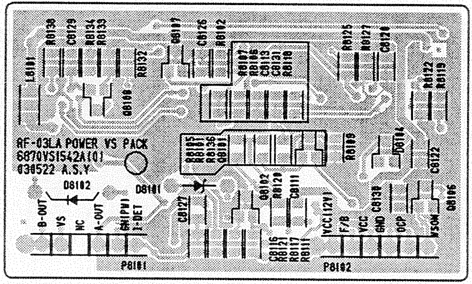
POWER VA PACK (BOTTOM)


POWER VA PACK
RF-03LA
6870VS1541A(0)
030522 A.S.Y
B-OUT
VS
NC
A-OUT
ON
I-DET
F/B
VCC
GND
OCP
VSON
P8601A
P8602A

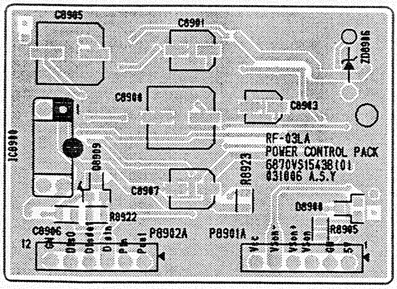
POWER VS PACK (TOP)


P8102
P8101

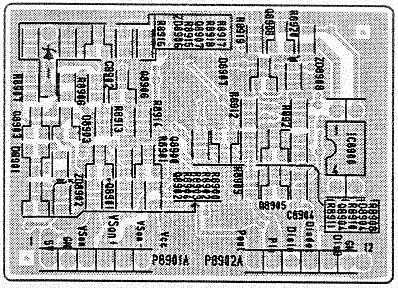
POWER VS PACK (BOTTOM)


RF-03LA POWER VS PACK
6870VS1542A(0)
030522 A.S.Y
B-OUT
VS
NC
A-OUT
I-DET
F/B
VCC
GND
OCP
VSON
P8101
P8102

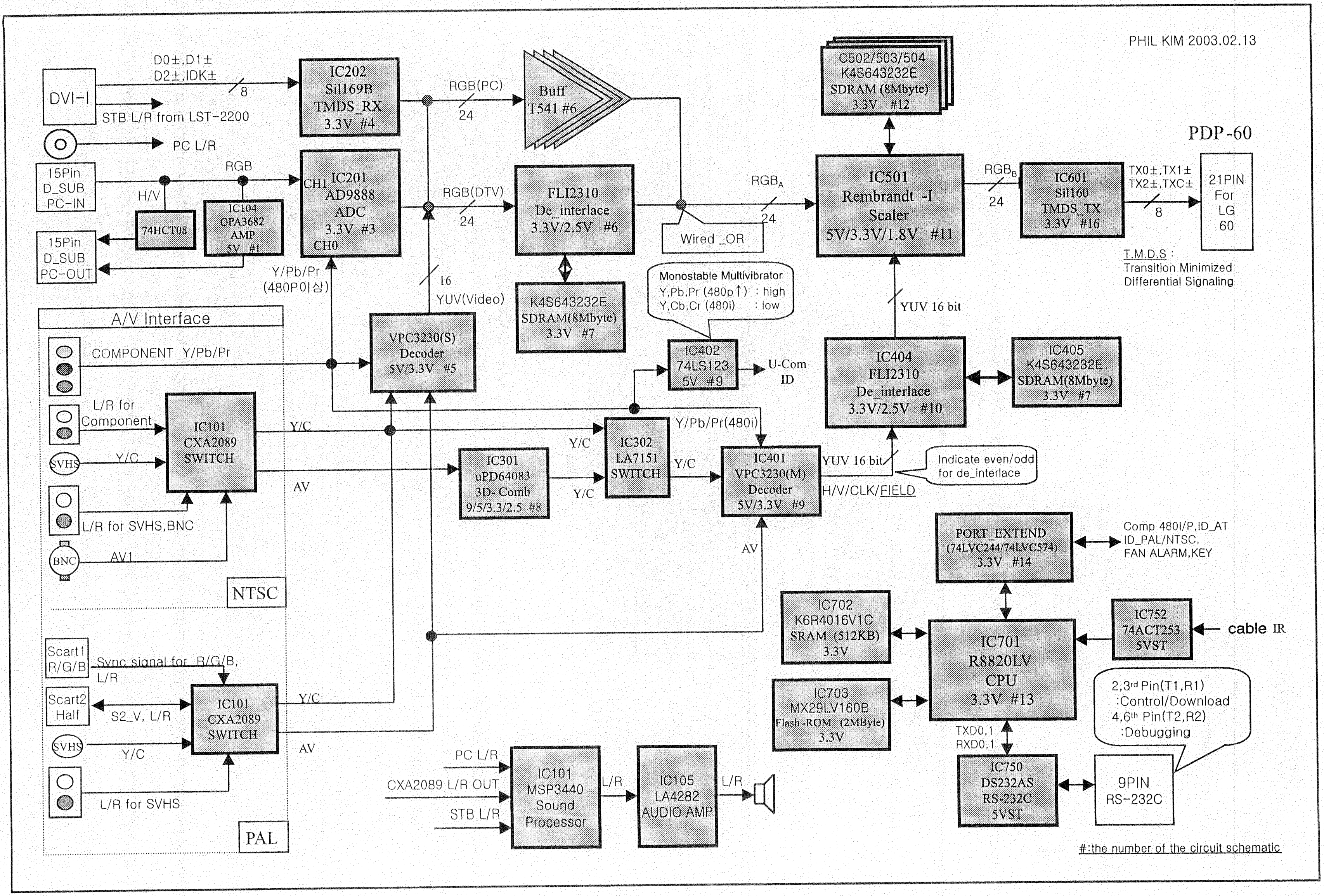
POWER CONTROL PACK (TOP)


RF-03LA
POWER CONTROL PACK
6870VS1543B(0)
031006 A.S.Y
P8902A
P8901A
IC8900

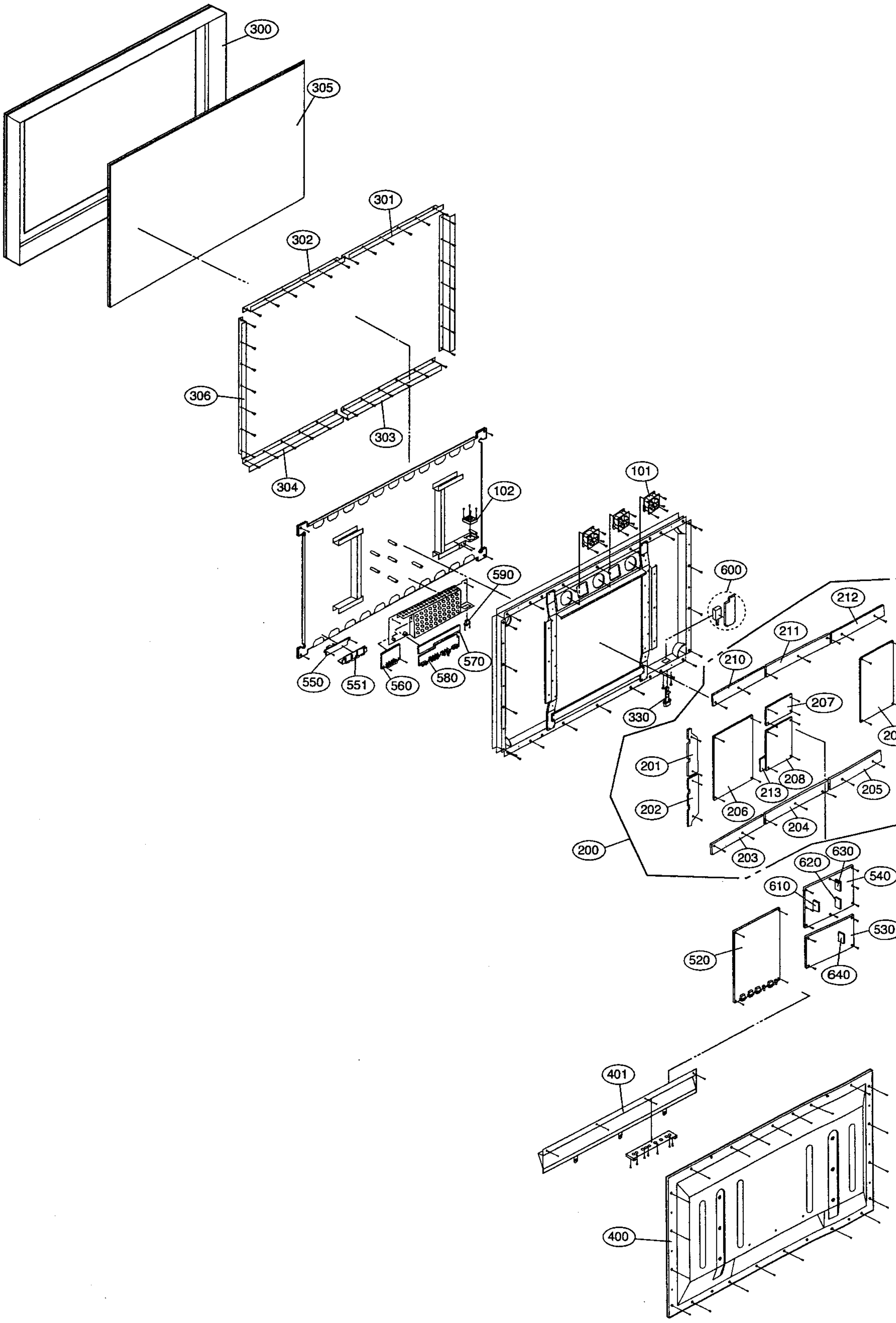
POWER CONTROL PACK (BOTTOM)


P8901A
P8902A
IC8900

BLOCK DIAGRAM


PHIL KIM 2003.02.13
DVI-I
D0±,D1±
D2±,IDK±
8
STB L/R from LST-2200
PC L/R
15Pin D_SUB PC-IN
15Pin D_SUB PC-OUT
RGB
H/V
74HCT08
IC104 OPA3682 AMP 5V #1
IC202 Sil169B TMDS_RX 3.3V #4
IC201 AD9888 ADC 3.3V #3
CH1
CH0
Y/Pb/Pr (480P이상)
RGB(PC)
24
Buff T541 #6
RGB(DTV)
24
FLI2310 De_interlace 3.3V/2.5V #6
K4S643232E SDRAM(8Mbyte) 3.3V #7
16
YUV(Video)
VPC3230(S) Decoder 5V/3.3V #5
RGBA
24
Wired _OR
Monostable Multivibrator
Y,Pb,Pr (480p↑) : high
Y,Cb,Cr (480i) : low
IC402 74LS123 5V #9
U-Com ID
C502/503/504 K4S643232E SDRAM (8Mbyte) 3.3V #12
IC501 Rembrandt -I Scaler 5V/3.3V/1.8V #11
YUV 16 bit
IC404 FLI2310 De_interlace 3.3V/2.5V #10
IC405 K4S643232E SDRAM(8Mbyte) 3.3V #7
RGBB
24
IC601 Sil160 TMDS_TX 3.3V #16
TX0±,TX1±
TX2±,TXC±
8
PDP-60
21PIN For LG 60
T.M.D.S : Transition Minimized Differential Signaling
A/V Interface
COMPONENT Y/Pb/Pr
L/R for Component
SVHS
Y/C
IC101 CXA2089 SWITCH
L/R for SVHS,BNC
BNC
AV1
NTSC
Y/C
AV
IC301 uPD64083 3D- Comb 9/5/3.3/2.5 #8
Y/C
Y/C
IC302 LA7151 SWITCH
Y/C
Y/Pb/Pr(480i)
IC401 VPC3230(M) Decoder 5V/3.3V #9
YUV 16 bit
H/V/CLK/FIELD
Indicate even/odd for de_interlace
AV
Scart1 R/G/B
Sync signal for R/G/B,
L/R
Scart2 Half
S2_V, L/R
SVHS
Y/C
L/R for SVHS
IC101 CXA2089 SWITCH
Y/C
AV
PAL
PC L/R
CXA2089 L/R OUT
STB L/R
IC101 MSP3440 Sound Processor
L/R
IC105 LA4282 AUDIO AMP
L/R
PORT_EXTEND (74LVC244/74LVC574) 3.3V #14
Comp 480I/P,ID_AT
ID_PAL/NTSC,
FAN ALARM,KEY
IC702 K6R4016V1C SRAM (512KB) 3.3V
IC703 MX29LV160B Flash-ROM (2MByte) 3.3V
IC701 R8820LV CPU 3.3V #13
IC752 74ACT253 5VST
cable IR
2,3rd Pin(T1,R1) :Control/Download
4,6th Pin(T2,R2) :Debugging
TXD0,1
RXD0,1
IC750 DS232AS RS-232C 5VST
9PIN RS-232C
#:the number of the circuit schematic

EXPLODED VIEW


300
305
301
302
306
303
304
101
102
590
600
212
211
210
570
550
551
560
580
207
330
209
201
208
213
205
202
206
204
200
203
630
620
540
610
530
520
640
401
400

EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900V08004A	FAN,DC F8025L12B2-RG DONG YANG 80MM 12V 120MA 2300RPM 79G L 300MM
102	5900V28001A	FAN,DC F5010L12B DONGYANG 50*50*10 DC12V 60MA 3,700RPM 21G
200	6348Q-B037F	PDP,60 16:9 1365*768 PDP60X50330.AKLGG
201	6871QDH035A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT TOP(60X5)
202	6871QDH036A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT BOTTOM(60X5)
203	6871QLH023A	PWB(PCB) ASSEMBLY,DISPLAY XRLT ASSY HAND INSERT 60X5 X-LEFT BOTTOM
204	6871QXH014A	PWB(PCB) ASSEMBLY,DISPLAY XRCT ASSY HAND INSERT 60X5 X-CENTER BOTTOM
205	6871QRH023A	PWB(PCB) ASSEMBLY,DISPLAY XRRT ASSY HAND INSERT 60X5 X RIGHT BOTTOM
206	6871QYH023A	PWB(PCB) ASSEMBLY,DISPLAY YSUS ASSY HAND INSERT 60X5
207	6871QPH008A	PWB(PCB) ASSEMBLY,DISPLAY DCDC ASSY HAND INSERT KK MODEL
208	6871QCH028A	PWB(PCB) ASSEMBLY,DISPLAY CTRL ASSY HAND INSERT 50X2 & 60X5 280*180 PD4021
209	6871QZH025A	PWB(PCB) ASSEMBLY,DISPLAY ZSUS ASSY HAND INSERT 60X5
210	6871QLH022A	PWB(PCB) ASSEMBLY,DISPLAY XRLT ASSY HAND INSERT 60X5 X-LEFT TOP
211	6871QXH013A	PWB(PCB) ASSEMBLY,DISPLAY XRCT ASSY HAND INSERT 60X5 X-CENTER TOP
212	6871QRH022A	PWB(PCB) ASSEMBLY,DISPLAY XRRT ASSY HAND INSERT 60X5 X RIGHT TOP
213	6871QEH017A	PWB(PCB) ASSEMBLY,DISPLAY ETC HAND INSERT PDP50X20000 TEMP. SENSOR B/D
300	3091V00509A	CABINET ASSEMBLY MU-60PZ90V STEREO RF03LA LG DARK SILVER
301	4980V00142B	SUPPORTER,FILTER AL5052 NONE
302	4980V00142A	SUPPORTER,FILTER AL5052 NONE
303	4980V00143B	SUPPORTER,FILTER AL5052 NONE
304	4980V00143A	SUPPORTER,FILTER AL5052 NONE
305	3790V00267D	FILTER(MECH),- MN60PZ90V 1160G03EK2 NBK 60 ECTHING MESH GLASS FILTER
306	4980V00141A	SUPPORTER,FILTER AL5052 NONE
330	5020V00436A	BUTTON,FD- 60X3 .
400	3809V00211M	BACK COVER ASSEMBLY,MU-60PZ90V 1PHONE PDP60 VERTICAL
401	3300V00237E	PLATE,A/V AL . MU-60PZ90V
520	6871VMMR48A	PWB(PCB) ASSEMBLY,MAIN RF-03LA 60 VSC
521	4814V00344G	SHIELD,ASSY MU-60PZ90V RF03LA ET FOR ANTI-SUSTAIN
530	6871VPMA20B	PWB(PCB) ASSEMBLY,POWER SMPS RF-03LA PFC MU
540	6871VPMA19A	PWB(PCB) ASSEMBLY,POWER SMPS RF-03LA POWER
550	6871VSMV67A	PWB(PCB) ASSEMBLY,SUB CONT RF03LA LOCAL KEY
551	5020V00437A	BUTTON,4KEY FD- 60X3 .
560	6871VSMV66A	PWB(PCB) ASSEMBLY,SUB RF03LA SPK
570	6871VSMW14A	PWB(PCB) ASSEMBLY,SUB A/V RF03LA 60 AV FIX B/D
580	6871VSMW13A	PWB(PCB) ASSEMBLY,SUB A/V RF03LA 60 AV INTERFACE
590	3141VSN186C	CHASSIS ASSEMBLY SUB RF03LA LINE FILTER ASSY TWIST #15
600	3141VSN122B	CHASSIS ASSEMBLY SUB NP00KA POWER SWITCH
610	6871VSMV70A	PWB(PCB) ASSEMBLY,SUB POWER RF03LA CONTROL
620	6871VSMV69A	PWB(PCB) ASSEMBLY,SUB POWER RF03LA VS M/I
630	6871VSMV68A	PWB(PCB) ASSEMBLY,SUB POWER RF03LA VA M/I
640	6871VSMV71A	PWB(PCB) ASSEMBLY,SUB SUB RF03LA PFC PACK

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC001	0ISO208900A	CXA2089Q 48QFP BK A/V SWITCH
IC002	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC101	0IAL242110A	AT24C21-10SI-2.5 8P,SOP TP 1K
IC102	0IAL242110A	AT24C21-10SI-2.5 8P,SOP TP 1K
IC103	0IMCRTI003A	SN74HCT08D 16P
IC104	0IPRPBB005A	OPA3692IDBQ BUR BROWN 16PIN SSOP
IC107	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC1101	0IDS162100B	DS1621V 8P SOIC ST THERMOSTAT
IC1102	0IMCRPH015A	74LVC32AD PHILIPS 14P SOT108-1
IC1103	0ISH092100B	PQ09RD21 4SIP ST REGULATOR
IC1104	0ISH122100B	PQ12RD21 4SIP ST REGULATOR
IC1105	0ISH122100B	PQ12RD21 4SIP ST REGULATOR
IC1201	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP
IC1202	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP
IC1203	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP
IC1204	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP
IC1205	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP
IC1401	0IIT323000E	VPC3230D C5 80P QFP
IC1405	0IMCRGN001B	FLI2310BC GENESIS 208P PQFP
IC1406	0IMMRHY033A	HY57V643220C(L)T-6 HYNIX 86P TSOP
IC202	0IMCRS5003A	SIL169 CL100 SILICON IMAGE 100P LQFP
IC301	0IMCRAD003A	AD9888KS-140 ANALOG DEVICE 128P MQFP
IC401	0IIT323000E	VPC3230D C5 80P QFP
IC402	0ISA715100D	LA7151M 10SOP
IC403	0IFA741230A	DM74LS123MX 16SOP TP
IC405	0IMCRGN001B	FLI2310BC GENESIS 208P PQFP
IC407	0IMMRHY033A	HY57V643220C(L)T-6 HYNIX 86P TSOP
IC501	0IMCROT001A	REMBRANT-1A
IC502	0IMMRHY033A	HY57V643220C(L)T-6 HYNIX 86P TSOP
IC503	0IMMRHY033A	HY57V643220C(L)T-6 HYNIX 86P TSOP
IC504	0IMMRHY033A	HY57V643220C(L)T-6 HYNIX 86P TSOP
IC601	0IS5160000A	SIL160CT100 SILICON IMAGE 100 TQFP
IC701	0IMCRRS001A	R8820LV RDC 100P PQFP
IC702	0IMMRSS064A	K6R4016V1D-TC10 44P TSOP2-400BF
IC703	0IMMRMR006B	MX29LV160ATTC-70 MACRONIX 48P
IC704	0IMCRAL006A	AT24C16AN-10SI-2.7 ATMEL 8P
IC740	0IMCRPH017A	74LVC574APW PHILIPS 20P SOT360-1
IC741	0IMCRFA013A	74LCX244MTC FAIRCHILD 20P TSSOP
IC742	0IMCRFA013A	74LCX244MTC FAIRCHILD 20P TSSOP
IC743	0ITI745740M	SN74HC574NSR 14P,SOP TP D-TYPE
IC744	0IMCRPH017A	74LVC574APW PHILIPS 20P SOT360-1
IC745	0IFA741230A	DM74LS123MX 16SOP TP
IC746	0IMCRPH015A	74LVC32AD PHILIPS 14P SOT108-1
IC747	0IMCRPH016A	74LVC139D PHILIPS 16P SOT109-1
IC748	0IMCRPH014A	74LV132D PHILIPS 14P SOT108-1
IC749	0IKE702700D	KIA7027AF 3, SOT-89 TP RESET IC 2.7V
IC750	0IDS232000A	DS232AS 16P,SOP TP RS-232
IC751	0IPH858400A	PCF8584T 20P,SOP TP
IC801	0IUN385400B	UC3854BDW 20PLCC
IC802	0ISA428200A	LA4282 12S 2CHX10W
IC8102	0IIR121130A	1R2113S 16SOP
IC8103	0IRH103392A	BA10339FV-E2 SSOP-B14PIN
IC8104	0ISH121100D	PQ12DZ1U 5 SMD
IC8131	0IUN386300B	UC3863DW 20PLCC
IC8204	0ISK005000A	SE005N 3P TO-220 BK 5V
IC8205	0IKE781200P	KIA7812API TO220 ST 3P 12V
IC850	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223 TP
IC851	0IPRPML001A	MIC39100 MICREL 3P SOT223
IC853	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3
IC857	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3
IC858	0IMCRSH001A	PQ05DZ1U SHARP 5, SMD TYPE
IC859	0IMCRSH001A	PQ05DZ1U SHARP 5, SMD TYPE
IC8602	0IIR121130A	1R2113S 16SOP R/TP H/BRIDGE DRIVER
IC8603	0IRH103392A	BA10339FV-E2 SSOP-B14PIN
IC8604	0ISH121100D	PQ12DZ1U 5 SMD
IC8631	0IUN386300B	UC3863DW 20PLCC
IC8801	0ISK666813A	STR-F6668B(LF1352) 5PIN
IC8802	0ISK005000A	SE005N 3P TO-220 BK 5V
IC8803	0IFA754207A	KA75420ZTA(KA7542ZTA) 3P,TO-92 TP 4.2V
IC8804	0IPMGSK009A	SI-8033S(LF1113) 5P TO-220 DIP 3.3V
IC8805	0ISK805011A	SI-8050S(LF1113) 5PIN BK 5V
IC8806	0ISK812011A	SI-8120S(LF1113) 5PIN BK 12V
IC8900	0ISH817300B	PC817XF3 4D PHOTO COUPLER
IC901	0IMCRMN014A	MSP3440G QA B8 V3 MICRONAS 80 QFP
IC902	0IKE780800J	KIA7808API 3 ST REGULATOR .
IC903	0IMCRSH001A	PQ05DZ1U SHARP 5, SMD TYPE
IC904	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC917	0IFA742530B	74ACT253SC 16P-SOIC
PC8201	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8202	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8401	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8402	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8403	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8501	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8502	0ISH851000A	PC851 4P,DIP BK HIGH
PC8503	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8504	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
PC8801	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
TRANSISTOR		
IC105	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W TR
IC106	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W TR
IC203	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W TR
IC204	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q001	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q001	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q002	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q002	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q003	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q003	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q004	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q005	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q006	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q007	0TR387500AA	CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q008	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q009	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q200	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q206	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q211	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q410	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q411	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q412	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q413	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q414	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q415	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q416	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q417	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q418	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q419	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q420	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q421	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q422	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q423	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q424	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q450	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q471	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q472	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q473	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q474	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q475	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q476	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q477	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q478	0TR104009AF	CHIP KRC104S SOT-23 TP KEC
Q7105	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q7107	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q720	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q721	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q722	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q723	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q724	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q725	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q801	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q802	0TR176608AA	2SD1766Q R/TP ROHM KOREA SMD FD-60X3R
Q803	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q804	0TR118008AA	2SB1188Q R/TP ROHM KOREA SMD FD-60X3R
Q806	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q808	0TR387500AA	CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q8101	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8102	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8104	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8105	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8105	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8106	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8107	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8108	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8108	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8201	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8203	0TR102009AB	KRC102M(KRC1202) KEC TP NA NA NA
Q8204	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8205	0TR102009AB	KRC102M(KRC1202) KEC TP NA NA NA
Q8206	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8207	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q8208	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q8210	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8303	0TFIR10001A	IRFPS37N50A ST TO-247 500V 36A
Q8304	0TFIR10001A	IRFPS37N50A ST TO-247 500V 36A
Q8401	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8402	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8403	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q8501	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8502	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8503	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8504	0TF283700AA	2SK2837 BK TOSHIBA 500V 20A TO3P
Q8505	0TR320709AA	KTC3207,TP(KTC2482),KEC
Q8601	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8602	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8604	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8605	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8606	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8607	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8608	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8802	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8803	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8804	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8805	0TR319809AA	KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q8900	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8901	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8902	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8903	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8904	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8905	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8906	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
Q8907	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q8908	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q8909	0TR102009AG	CHIP KRC102S KEC TP SOT-23 NA NA
QA201	0TR150400BA	CHIP 2SA1504S(ASY) KEC
QA202	0TR150400BA	CHIP 2SA1504S(ASY) KEC

LOCA. NO	PART NO	DESCRIPTION
DIODE		
D001	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D001	0DD181009AB	KDS181 TP KEC - 85V - 300MA
D002	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D002	0DD181009AB	KDS181 TP KEC - 85V - 300MA
D003	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D003	0DD181009AB	KDS181 TP KEC - 85V - 300MA
D004	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D006	0DD226239AA	CHIP KDS226 SOT-23
D011	0DD226239AA	CHIP KDS226 SOT-23
D100	0DD226239AA	CHIP KDS226 SOT-23
D101	0DD226239AA	CHIP KDS226 SOT-23
D102	0DD226239AA	CHIP KDS226 SOT-23
D105	0DD226239AA	CHIP KDS226 SOT-23
D106	0DD226239AA	CHIP KDS226 SOT-23
D108	0DD226239AA	CHIP KDS226 SOT-23
D109	0DD226239AA	CHIP KDS226 SOT-23
D110	0DD226239AA	CHIP KDS226 SOT-23
D1101	0DD100009AC	RU1V(1) TP
D111	0DD226239AA	CHIP KDS226 SOT-23
D112	0DD226239AA	CHIP KDS226 SOT-23
D113	0DD226239AA	CHIP KDS226 SOT-23
D114	0DD226239AA	CHIP KDS226 SOT-23
D115	0DD226239AA	CHIP KDS226 SOT-23
D117	0DD226239AA	CHIP KDS226 SOT-23
D118	0DD226239AA	CHIP KDS226 SOT-23
D801	0DZ240009CG	MTZJ24B TP ROHM-K DO34 - 24V 5UA
D802	0DZ910009AJ	MTZJ9.1B TP ROHM-K DO34 0.5W 9.1V 5UA
D803	0DZ750009AG	MTZJ7.5B TP ROHM-K DO34 0.5W 7.5V 5UA
D804	0DZ240009CG	MTZJ24B TP ROHM-K DO34 - 24V 5UA
D805	0DD120000BB	FML-G12S
D807	0DZRM00178A	UDZS TE-17 5.1B ROHM
D8101	0DZ620009BB	MTZJ6.2B TP ROHM-K DO34 0.5W 6.2V 5UA -
D8102	0DR011009AA	EG01AV1 TP 600V 0.5A 10A 100NSEC 0.5MA
D8104	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8105	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8201	0DD414809ED	1N4148 TP GRANDE
D8202	0DD414809ED	1N4148 TP GRANDE
D8203	0DD260000BB	BRIDGE D2SBA60(STK) SHINDENKEN
D8204	0DD110009DB	RM11CV(1) TP TP
D8205	0DD100009AP	EG1ZV(1) TP TP
D8206	0DD120000BB	FML-G12S
D8208	0DR010009AA	EG01C TP 1000V 0.5A 10A 100NSEC 50UA
D8209	0DD100009AM	EU1ZV(1) TP
D8210	0DZ160009BC	MTZJ16B TP ROHM-K DO34 0.5W 16V 5UA
D8211	0DZ180009AG	MTZJ18B TP ROHM-K DO34 - 18V 5UA
D8212	0DR010009AA	EG01C TP 1000V 0.5A 10A 100NSEC 50UA
D8213	0DD100009AP	EG1ZV(1) TP TP
D8214	0DD100009AM	EU1ZV(1) TP
D8215	0DZ300009BB	MTZJ30B TP ROHM-K DO34 0.5W 30V 5UA
D8216	0DZ300009BB	MTZJ30B TP ROHM-K DO34 0.5W 30V 5UA
D8217	0DZ750009AG	MTZJ7.5B TP ROHM-K DO34 0.5W 7.5V 5UA
D8301	0DD414809ED	1N4148 TP GRANDE
D8302	0DD414809ED	1N4148 TP GRANDE
D8303	0DB250600AB	RBV-2506 BK 600V 25A 350A - 50UA
D8304	0DR310000BA	RM3A LF-U1 BK 600V 2.5A 150A - 10UA
D8305	0DR310000BA	RM3A LF-U1 BK 600V 2.5A 150A - 10UA
D8306	0DD410009AA	SCHOTTKY,BAT 41 TP
D8307	0DD410009AA	SCHOTTKY,BAT 41 TP
D8311	0DRFJ00041A	YG963S6R FTO220(4115) 600V 15A 50A
D8312	0DD100009AP	EG1ZV(1) TP TP
D8319	0DD410009AA	SCHOTTKY,BAT 41 TP
D8401	0DD100009AP	EG1ZV(1) TP TP
D8402	0DD414809ED	1N4148 TP GRANDE
D8403	0DD414809ED	1N4148 TP GRANDE
D8404	0DR240000BA	FML-24S BK TO220 400V 10A 70A 40NSEC 0.1MA
D8405	0DZ330009BA	ZENER HZT33 TAPING
D8406	0DZ330009BA	ZENER HZT33 TAPING
D8407	0DD100009AP	EG1ZV(1) TP TP
D8408	0DZ120009AF	MTZJ12B TP ROHM-K DO34 - 12V 5UA
D8409	0DZ680009BB	MTZJ6.8B TP ROHM-K DO34 0.5W 6.8V 5UA
D8411	0DZ360009BC	MTZJ3.6B TP ROHM-K DO34 0.5W 3.6V 5UA
D8412	0DZ680009BB	MTZJ6.8B TP ROHM-K DO34 0.5W 6.8V 5UA
D8412	0DZ330009BA	ZENER HZT33 TAPING
D8414	0DR220000CA	FMM-22S BK TO220 200V 10A 100A - 10UA
D8418	0DD414809ED	1N4148 TP GRANDE
D8419	0DZ120009AF	MTZJ12B TP ROHM-K DO34 - 12V 5UA
D8501	0DD100009AP	EG1ZV(1) TP TP
D8502	0DZ610009AA	P6KE100A TP G.I - 1W 100V 1UA
D8503	0DZ610009AA	P6KE100A TP G.I - 1W 100V 1UA
D8504	0DD100009AP	EG1ZV(1) TP TP
D8505	0DRSA00160A	FML-34S FM80 400V 20A 100A 50NSEC 0.2MA
D8506	0DD100009AP	EG1ZV(1) TP TP
D8507	0DD100009AP	EG1ZV(1) TP TP
D8508	0DZ120009AF	MTZJ12B TP ROHM-K DO34 - 12V 5UA
D8509	0DRSA00160A	FML-34S BK FM80 400V 20A 100A 50NSEC 0.2MA
D8510	0DZ680009BB	MTZJ6.8B TP ROHM-K DO34 0.5W 6.8V 5UA
D8511	0DZ610009AA	P6KE100A TP G.I - 1W 100V 1UA
D8512	0DZ330009BE	MTZJ3.3A TP ROHM-K DO34 - 3.3V 5UA
D8515	0DD414809ED	1N4148 TP GRANDE
D854	0DD226239AA	CHIP KDS226 SOT-23
D855	0DD226239AA	CHIP KDS226 SOT-23
D857	0DD226239AA	CHIP KDS226 SOT-23
D8601	0DZ620009BB	MTZJ6.2B TP ROHM-K DO34 0.5W 6.2V 5UA
D8602	0DR011009AA	EG01AV1 TP 600V 0.5A 10A 100NSEC 0.5MA
D8604	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8605	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D870	0DD226239AA	CHIP KDS226 SOT-23
D871	0DD226239AA	CHIP KDS226 SOT-23
D873	0DD226239AA	CHIP KDS226 SOT-23
D880	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
D8801	0DD100009AM	EU1ZV(1) TP
D8802	0DD100009AM	EU1ZV(1) TP

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
D8803	0DD414809ED	1N4148 TP GRANDE
D8804	0DD100009DK	RU1P V(1) TP R-TMD 1000V 0.4A 10A 0.1US 5UA
D881	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
D8811	0DR290000AA	FMB-29L BK TO220 90V 8A 60A 100NSEC 5MA
D8812	0DR360000BA	FMB-36M BK 0.62V 100NSEC 10MA
D8813	0DR360000BA	FMB-36M BK 0.62V 100NSEC 10MA
D8814	0DR460009AA	RK46 TP DO-214AC 60V 3.5A 70A 100SEC 3MA
D8816	0DR460009AA	RK46 TP DO-214AC 60V 3.5A 70A 100SEC 3MA
D8818	0DR460009AA	RK46 TP DO-214AC 60V 3.5A 70A 100SEC 3MA
D882	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
D8820	0DD100009AM	EU1ZV(1) TP
D8821	0DZ120009AF	MTZJ12B TP ROHM-K DO34 - 12V 5UA -
D8822	0DZ750009AG	MTZJ7.5B TP ROHM-K DO34 0.5W 7.5V 5UA -
D8823	0DZ750009AG	MTZJ7.5B TP ROHM-K DO34 0.5W 7.5V 5UA -
D883	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
D8900	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8901	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D8903	0DD226239AA	CHIP KDS226 SOT-23
D8904	0DD226239AA	CHIP KDS226 SOT-23
D8907	0DD226239AA	CHIP KDS226 SOT-23
D900	0DD100009AM	EU1ZV(1) TP
DA105	0DD226239AA	CHIP KDS226 SOT-23
LD1	0DL200000CA	LED,SAM5670(DL-2LRG) BK Y-GREEN -
LD300	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
LD740	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
LD741	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
LD742	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
LD743	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
LD744	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
LD745	0DL233309AC	LED,SAM2333 TP GREEN:10MCD, RED:6MCD
ZD003	0DZRM00178A	UDZS TE-17 5.1B ROHM
ZD004	0DZRM00178A	UDZS TE-17 5.1B ROHM
ZD005	0DZRM00178A	UDZS TE-17 5.1B ROHM
ZD100	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD830	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD831	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD832	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD8902	0DZRM00178A	UDZS TE-17 5.1B ROHM
ZD8906	0DZ560009CF	MTZJ5.6B TP ROHM-K DO34 0.5W 5.6V 5UA
ZD8908	0DZRM00178A	UDZS TE-17 5.1B ROHM

CAPACITOR

LOCA. NO	PART NO	DESCRIPTION
C005	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C006	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C007	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C008	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C010	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C012	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C013	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C014	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C014	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C015	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C015	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C017	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C018	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C019	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C019	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C020	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C020	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C021	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C022	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C022	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C023	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C023	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C024	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C024	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C025	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C025	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C026	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C029	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C030	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C030	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C031	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C034	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C035	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C038	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C039	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C040	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C041	0CE477DK618	470UF STD 50V 20% FL TP 5
C042	0CE477DK618	470UF STD 50V 20% FL TP 5
C042	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C043	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C044	0CE107DH618	100UF STD 25V M FL TP5
C045	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C045	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C046	0CQ6821N509	0.0068UF D 100V 10% PE TP5
C047	0CE107DH618	100UF STD 25V M FL TP5
C048	0CQ6821N509	0.0068UF D 100V 10% PE TP5
C050	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C053	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C056	0CE107DH618	100UF STD 25V M FL TP5
C057	0CQ1041N509	0.1UF D 100V 10% PE TP5
C058	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C059	0CQ1041N509	0.1UF D 100V 10% PE TP5
C109	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C110	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1102	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1106	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1107	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C1108	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C111	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1110	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C1111	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C112	0CE107SF6DC	100UF MVG 16V M SMD R/TP

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RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C113	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C114	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C117	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C119	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C121	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C123	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C126	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C127	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C140	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1479	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1485	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1488	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1489	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C1491	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1494	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C1505	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C1506	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C1507	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C1510	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C2	0CE4763F618	47UF SRE 16V M FL TP5
C201	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C204	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C207	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C211	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C216	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C221	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C410	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C413	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C416	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C420	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C440	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C441	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C445	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C471	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C472	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C479	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C485	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C488	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C489	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C491	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C494	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C505	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C506	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C507	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C510	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C523	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C524	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C671	0CE477DK618	470UF STD 50V 20% FL TP 5
C672	0CE477DK618	470UF STD 50V 20% FL TP 5
C673	0CE477DK618	470UF STD 50V 20% FL TP 5
C674	0CE477DK618	470UF STD 50V 20% FL TP 5
C675	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C676	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C7116	0CE475WJ6DC	4.7UF MVK 35V 20% R/TP(SMD) SMD
C728	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C755	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C758	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C760	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C765	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C766	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C769	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C770	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C772	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C774	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C785	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C787	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C788	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C789	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C791	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C793	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C801	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C804	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD
C806	0CQ2221N509	0.0022UF D 100V 10% PE TP5
C809	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD
C810	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8101	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8102	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8105	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8106	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8107	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C811	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8110	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8111	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C812	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C813	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C818	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C820	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C820	0CE105WK6DC	1UF MVK 50V 20% R/TP(SMD) SMD
C8202	0CQ1031N509	0.01UF D 100V 10% PE TP5
C8203	0CE105BK618	1UF KME 50V M FL TP5
C8204	0CE226BV611	22UF KME TYPE 450V M FL BK7.5
C8205	0CE477BJ618	470UF KME TYPE 35V 20% FL TP 5
C8206	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C8207	0CE226BV611	22UF KME TYPE 450V M FL BK7.5
C8209	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C8210	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
C8211	0CK1040K945	0.1UF 50V Z F TR
C8212	0CE108BF618	1000UF KME 16V M FL TP5
C8213	181-091D	DEHR33A102KN2A 1000PF 1KV 10%,-10%
C8213	181-091P	SL 270PF 1KV 10%,-10% R/TP TP5
C8214	181-091P	SL 270PF 1KV 10%,-10% R/TP TP5
C8215	181-033E	CK 2200PF 1KV 10% TR 7.5MM
C8216	0CE108BF618	1000UF KME 16V M FL TP5
C8217	181-091D	DEHR33A102KN2A 1000PF 1KV 10%,-10%

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LOCA. NO	PART NO	DESCRIPTION
C8217	181-091P	SL 270PF 1KV 10%,-10% R/TP TP5
C8218	0CE474QV618	0.47UF SMS,SG(HR) 450V 20% TP 5 FL
C8219	0CE474QV618	0.47UF SMS,SG(HR) 450V 20% TP 5 FL
C8220	0CE107BJ618	100UF KME 35V M FL TP5
C8221	0CK1040K945	0.1UF 50V Z F TR
C8222	0CE227BH618	220UF KME 25V M FL TP5
C8223	0CE476BK618	47UF KME 50V M FL TP5
C8225	0CQ1041N509	0.1UF D 100V 10% PE TP5
C824	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C8301	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C8302	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C8303	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C8304	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C8305	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C8306	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C8307	0CB8241Y474	0.82UF D 630V 5% M/PP NI BULK
C8308	0CB8241Y474	0.82UF D 630V 5% M/PP NI BULK
C8309	181-035N	470 PF 250V 10% TA52
C8311	0CE337RV6A0	330UF KMH 450V 20% VNSN BULK
C8312	0CE337RV6A0	330UF KMH 450V 20% VNSN BULK
C8313	181-035N	470 PF 250V 10% TA52
C8314	0CE337RV6A0	330UF KMH 450V 20% VNSN BULK
C8315	181-091D	DEHR33A102KN2A 1000PF 1KV 10%,-10%
C8316	181-033E	CK 2200PF 1KV 10% TR 7.5MM
C8317	181-091D	DEHR33A102KN2A 1000PF 1KV 10%,-10%
C8318	181-091G	DEHR33D471KN3A 470PF 2KV 10%,-10%
C8319	181-091G	DEHR33D471KN3A 470PF 2KV 10%,-10%
C8320	0CE477BH618	470UF KME TYPE 25V 20% FL TP 5
C8321	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C8322	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
C8327	181-033E	CK 2200PF 1KV 10% TR 7.5MM
C8328	181-033E	CK 2200PF 1KV 10% TR 7.5MM
C8329	181-033E	CK 2200PF 1KV 10% TR 7.5MM
C8330	181-033E	CK 2200PF 1KV 10% TR 7.5MM
C8331	181-091G	DEHR33D471KN3A 470PF 2KV 10%,-10%
C8332	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C8333	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C8336	0CF1050W470	1UF 0 500V 5% BULK M/PP NI
C8401	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C8402	0CC47001505	47PF 1KV K SL TR
C8404	0CC47001505	47PF 1KV K SL TR
C8407	0CBZVBK001A	M/PP NI 0.039UF 800V 5% FM 20MM
C8409	0CC47001505	47PF 1KV K SL TR
C8410	0CQ2231N509	0.022UF D 100V 10% PE TP5
C8411	0CE337RV6A0	330UF KMH 450V 20% VNSN BULK
C8412	0CE687RP6A0	680UF KMH 160V M VNSN BULK
C8414	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C8416	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8504	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C8506	0CBZVBK001B	0.056UF 800V J M/PP NI FM20
C8507	181-033T	2KV B 222K TP7.5
C8508	0CBZVBK001B	0.056UF 800V J M/PP NI FM20
C8510	0CC47001505	47PF 1KV K SL TR
C8511	0CE687RP6A0	680UF KMH 160V M VNSN BULK
C8512	0CC47001505	47PF 1KV K SL TR
C8513	0CC47001505	47PF 1KV K SL TR
C8514	0CC47001505	47PF 1KV K SL TR
C8515	0CC47001505	47PF 1KV K SL TR
C8517	0CE687RP6A0	680UF KMH 160V M VNSN BULK
C8518	0CE827RR6A0	820UF KMH 250V 20% VNSN BULK
C8519	0CE827RR6A0	820UF KMH 250V 20% VNSN BULK
C8520	0CE827RR6A0	820UF KMH 250V 20% VNSN BULK
C8521	0CQ1031N509	0.01UF D 100V 10% PE TP5
C8522	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF
C8523	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C8524	0CE476BK618	47UF KME 50V M FL TP5
C8525	0CQ4731N509	0.047UF D 100V 10% PE TP5
C8601	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8602	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8605	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8606	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8607	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C8610	0CE106WH6DC	10UF MVK 25V 20% R/TP(SMD) SMD
C8611	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C879	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C8802	0CE227BK618	220UF KME 50V M FL TP5
C8803	0CK8210K515	820P 50V K B TS
C8804	181-011B	0.001UF D 1.6KV J M/PP NI FM20
C8805	0CK8210K515	820P 50V K B TS
C8807	181-010P	PP 0.068UF 630V 5%,-5% FM PP
C8808	181-033T	2KV B 222K TP7.5
C8811	181-007T	MPE ECQ-V1H105JL3(TR), 50V 1.0UF
C8812	0CE478BH650	4700UF KME 25V M FM7.5 BULK
C8813	0CE478BH650	4700UF KME 25V M FM7.5 BULK
C8815	0CE478BH650	4700UF KME 25V M FM7.5 BULK
C8819	0CE228EJ61A	2200UF KMG 35V M FL TP 7.5
C8820	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8821	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8822	0CE108BJ618	1000UF KME 35V M FL TP5
C8823	0CE108BK61A	1000UF KME 50V M FL TP7.5
C8824	0CE108BK61A	1000UF KME 50V M FL TP7.5
C8834	0CE228BF618	2200UF KME 16V M FL TP5
C8835	0CE228BF618	2200UF KME 16V M FL TP5
C8836	0CE228BF618	2200UF KME 16V M FL TP5
C8839	0CE228BF618	2200UF KME 16V M FL TP5
C8841	0CQ1041N509	0.1UF D 100V 10% PE TP5
C8842	0CE228BF618	2200UF KME 16V M FL TP5
C8843	0CE228BF618	2200UF KME 16V M FL TP5
C8900	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD) SMD
C8901	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C8903	0CE106SH6DC	10UF MVG 25V M SMD R/TP
C8905	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD) SMD
C8907	0CE336SH6DC	33UF MVG 25V M SMD R/TP
C893	0CE107SF6DC	100UF MVG 16V M SMD R/TP

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RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C896	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C899	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C904	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C913	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C914	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C915	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C949	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C951	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C964	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C965	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C966	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C967	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C968	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C969	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C971	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C973	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C980	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C981	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C982	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C984	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C986	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C993	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C994	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C995	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C998	0CE107SF6DC	100UF MVG 16V M SMD R/TP
CA203	0CE476SF6DC	47UF MVG 16V M SMD R/TP

COIL & INDUCTOR

LOCA. NO	PART NO	DESCRIPTION
L870	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N 0.4
L8812	150-C04J	COIL,CHOKE - GET 3.8UH 0.65PHY 8.5TURN
L8814	150-C02F	COIL,CHOKE 82UH PHY TURN
L8815	150-C02F	COIL,CHOKE 82UH PHY TURN
L8816	6170VZ0005B	TRANSFORMER,IRON-15 150UH SI-8150S,FD-60X3R
L8819	6170VZ0005B	TRANSFORMER,IRON-15 150UH SI-8150S,FD-60X3R
L8820	150-C02F	COIL,CHOKE82UH PHY TURN
L8821	6170VZ0005B	TRANSFORMER,IRON-15 150UH SI-8150S,FD-60X3R
L8822	150-C02F	COIL,CHOKE 82UH PHY TURN
L886	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N 0.4
T8201	6170VS0002A	TRANSFORMER,E1927 1300UH 12V/5V INOUT
T8202	6170VS0002A	TRANSFORMER,E1927 1300UH 12V/5V INOUT
T8301	6170VG0002A	TRANSFORMER,RCH400125 1400UH 1.3PHY
T8302	6170VG0002A	TRANSFORMER,RCH400125 1400UH 1.3PHY
T8401	6170VMCA21C	TRANSFORMER,EER4244 450UH UC3863DW
T8501	151-A10K	TRANSFORMER,EER4445 270UH
T8502	151-A10K	TRANSFORMER,EER4445 270UH 11TURN
T8503	6170VMCA37C	TRANSFORMER,PQ3535 14UH VS LEAKAGE
T8801	151-A10H	TRANSFORMER,EER4445 550UH STR-F6668B

CONNECTOR

LOCA. NO	PART NO	DESCRIPTION
P007B	387-B04G	4P 2.5MM 400MM H-B UL1185AWG26
P101	6630VGA001C	68114-1521 MOLEX 15PIN 2.29MM
P102B	387-B04G	4P 2.5MM 400MM H-B UL1185AWG26
P104	6630VGA001C	68114-1521 MOLEX 15PIN 2.29MM
P741	6630VGA004B	69107-0921 MOLEX 9P 2.77MM
P804A	387-A05A	5P 2.5MM 100MM H-B UL1007AWG26

RESISTOR

LOCA. NO	PART NO	DESCRIPTION
A692	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1066	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1400	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1401	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1402	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1403	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1460	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1461	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1462	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1463	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1465	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1466	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1467	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1468	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1469	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1470	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1471	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1472	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1473	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1474	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1475	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1476	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1516	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR1517	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR260	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR261	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR262	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR263	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR264	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR265	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR400	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR401	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR402	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR403	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR460	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR461	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR462	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR463	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR465	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR466	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR467	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR468	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR469	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR470	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR471	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR472	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR473	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P

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LOCA. NO	PART NO	DESCRIPTION
AR474	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR475	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR512	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR513	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR514	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR515	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR516	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR517	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR550	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P
AR551	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P
AR552	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P
AR553	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P
AR677	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR678	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR679	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR680	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR681	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR682	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR691	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR693	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR694	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR695	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
AR696	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
D8309	0RS0222H609	22 OHM 1/2 W 5.00% TA52
D8310	0RS0222H609	22 OHM 1/2 W 5.00% TA52
IC333	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
IC334	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
IC337	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
IC338	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
IC341	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
IC342	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
R020	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R021	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R030	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R032	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R1111	0RD0151A609	1.5 OHM 1/2 W (7.0) 5% TA52
R589	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
R590	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P
R655	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R656	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R8151	0RKZVTA001D	10M OHM 1/2 W 5% TA52
R8201	0RS8202K607	82K OHM 2 W 5.00% TA62
R8202	0RD2203F609	220K OHM 1/6 W 5.00% TA52
R8203	180-A04D	RW RECT G 5W 10.0 J SINGLE
R8204	0RS2002H609	20K OHM 1/2 W 5.00% TA52
R8205	0RD1001F609	1K OHM 1/6 W 5% TA52
R8206	0RD2202F609	22K OHM 1/6 W 5% TA52
R8207	0RD2202F609	22K OHM 1/6 W 5% TA52
R8208	0RD1002F609	10K OHM 1/6 W 5% TA52
R8209	0RD1002F609	10K OHM 1/6 W 5% TA52
R8210	0RD1002F609	10K OHM 1/6 W 5% TA52
R8211	0RD1002F609	10K OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
R8212	0RD4702F609	47K OHM 1/6 W 5% TA52
R8213	0RS6802K607	68K OHM 2 W 5.00% TA62
R8214	0RD1001F609	1K OHM 1/6 W 5% TA52
R8215	0RD1000F609	100 OHM 1/6 W 5% TA52
R8216	0RD4702F609	47K OHM 1/6 W 5% TA52
R8217	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R8218	0RS0102H609	10 OHM 1/2 W 5% TA52
R8220	0RD4702F609	47K OHM 1/6 W 5% TA52
R8221	0RD4702F609	47K OHM 1/6 W 5% TA52
R8222	0RS6802K607	68K OHM 2 W 5.00% TA62
R8224	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R8224	0RS4701H609	4.7K OHM 1/2 W 5.00% TA52
R8225	0RS1000H609	100 OHM 1/2 W 5.00% TA52
R8226	0RD0202F609	20 OHM 1/6 W 5% TA52
R8230	0RD6800F609	680 OHM 1/6 W 5% TA52
R8231	0RD0331F609	3.3 OHM 1/6 W 5.00% TA52
R8232	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52
R8233	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8235	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52
R8249	0RS1802K607	18K OHM 2 W 5.00% TA62
R8250	0RS1802K607	18K OHM 2 W 5.00% TA62
R8251	0RS0222H609	22 OHM 1/2 W 5.00% TA52
R8251	0RS0152H609	15 OHM 1/2 W 5.00% TA52
R8252	0RS1802K607	18K OHM 2 W 5.00% TA62
R8253	0RS0161H609	1.6 OHM 1/2 W 5.00% TA52
R8255	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R8260	0RS4702K607	47K OHM 2 W 5.00% TA62
R8261	0RS4702K607	47K OHM 2 W 5.00% TA62
R8262	0RS0161H609	1.6 OHM 1/2 W 5.00% TA52
R8263	0RS0471H609	4.7 OHM 1/2 W 5.00% TA52
R8264	0RS1502H609	15K OHM 1/2 W 5.00% TA52
R8301	0RMZVBK004A	4.7 OHM 10W +/-5% RWR V-TYPE
R8302	0RMZVBK004A	4.7 OHM 10W +/-5% RWR V-TYPE
R8303	0RMZVBK004A	4.7 OHM 10W +/-5% RWR V-TYPE
R8307	0RS0272H609	27 OHM 1/2 W 5.00% TA52
R8308	0RS0272H609	27 OHM 1/2 W 5.00% TA52
R8312	0RS0222H609	22 OHM 1/2 W 5.00% TA52
R8313	0RS0222H609	22 OHM 1/2 W 5.00% TA52
R8316	0RD1002F609	10K OHM 1/6 W 5% TA52
R8318	0RD1002F609	10K OHM 1/6 W 5% TA52
R8319	0RS0102H609	10 OHM 1/2 W 5% TA52
R8320	0RS0102H609	10 OHM 1/2 W 5% TA52
R8324	0RS6802K607	68K OHM 2 W 5.00% TA62
R8325	0RS6802K607	68K OHM 2 W 5.00% TA62
R8327	0RMZVBK001F	0.1 OHM 10W +/-5% MPR V-TYPE
R8328	0RMZVBK001F	0.1 OHM 10W +/-5% MPR V-TYPE
R8329	0RMZVBK001F	0.1 OHM 10W +/-5% MPR V-TYPE
R8340	0RS4701H609	4.7K OHM 1/2 W 5.00% TA52
R8401	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8402	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8403	0RS0102H609	10 OHM 1/2 W 5% TA52
R8405	0RS0472H609	47 OHM 1/2 W 5.00% TA52

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RN : Metal Film
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LOCA. NO	PART NO	DESCRIPTION
R8406	0RS0102H609	10 OHM 1/2 W 5% TA52
R8407	0RN8201F409	8.2K OHM 1/6 W 1.00% TA52
R8408	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R8409	0RS5602H609	56K OHM 1/2 W 5.00% TA52
R8410	0RS4702H609	47K OHM 1/2 W 5.00% TA52
R8412	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R8413	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R8414	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R8415	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R8416	0RD2001F609	2K OHM 1/6 W 5% TA52
R8418	0RD1002F609	10K OHM 1/6 W 5% TA52
R8419	0RD1002F609	10K OHM 1/6 W 5% TA52
R8421	0RMZVBK001D	5 W 0.33 OHM,J(5%),MPR
R8423	0RN5602F409	56K OHM 1/6 W 1.00% TA52
R8425	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R8501	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8502	0RS0102H609	10 OHM 1/2 W 5% TA52
R8503	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8504	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8505	0RS0102H609	10 OHM 1/2 W 5% TA52
R8507	0RS0102H609	10 OHM 1/2 W 5% TA52
R8508	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8509	0RS0102H609	10 OHM 1/2 W 5% TA52
R8510	0RS0472H609	47 OHM 1/2 W 5.00% TA52
R8514	0RD1002F609	10K OHM 1/6 W 5% TA52
R8516	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R8517	0RD1803H609	180K OHM 1/2 W 5% TA52
R8518	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R8519	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R8522	0RD1002F609	10K OHM 1/6 W 5% TA52
R8523	0RD1002F609	10K OHM 1/6 W 5% TA52
R8524	0RN3602F409	36K OHM 1/6 W 1.00% TA52
R8524	0RN5602F409	56K OHM 1/6 W 1.00% TA52
R8525	0RN3302F409	33K OHM 1/6 W 1.00% TA52
R8526	0RN1003F409	100K OHM 1/6 W 1.00% TA52
R8527	0RD8202H609	82K OHM 1/2 W 5.00% TA52
R8528	0RD3302F609	33K OHM 1/6 W 5% TA52
R8529	0RN1003F409	100K OHM 1/6 W 1.00% TA52
R8530	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8531	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R8532	0RS4700H609	470 OHM 1/2 W 5.00% TA52
R8533	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R8534	0RS4700H609	470 OHM 1/2 W 5.00% TA52
R8536	0RS2202H609	22K OHM 1/2 W 5.00% TA52
R8538	0RMZVBK004D	10 W 6.8OHM +/-5% RWS V-TYPE
R8539	0RMZVBK004D	10 W 6.8OHM +/-5% RWS V-TYPE
R8540	0RMZVBK004D	10 W 6.8OHM +/-5% RWS V-TYPE
R8541	0RS5602K607	56K OHM 2 W 5.00% TA62
R8541	0RS3902K607	39K OHM 2 W 5.00% TA62
R8542	0RS5602K607	56K OHM 2 W 5.00% TA62
R8542	0RS3902K607	39K OHM 2 W 5.00% TA62
R8543	0RS2202H609	22K OHM 1/2 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R8544	0RS5602K607	56K OHM 2 W 5.00% TA62
R8544	0RS3902K607	39K OHM 2 W 5.00% TA62
R8545	0RD1803H609	180K OHM 1/2 W 5% TA52
R8801	0RS3902K607	39K OHM 2 W 5.00% TA62
R8802	0RS3902K607	39K OHM 2 W 5.00% TA62
R8803	0RS0332H609	33 OHM 1/2 W 5.00% TA52
R8804	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R8805	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8806	0RD1001F609	1K OHM 1/6 W 5% TA52
R8807	180-A01H	2 W RW ROUND G 0.27 J TA31(63)
R8808	0RMZVBK002B	5 W 47K,J(5%),RSR,V-TYPE(PITCH 5.0)
R8809	0RS3902K607	39K OHM 2 W 5.00% TA62
R8810	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8811	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8812	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8813	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8814	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8816	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8817	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R8818	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8819	0RD0912F609	91 OHM 1/6 W 5.00% TA52
R8819	0RD3900F609	390 OHM 1/6 W 5% TA52
R8820	0RD1002F609	10K OHM 1/6 W 5% TA52
R8823	0RD0912F609	91 OHM 1/6 W 5.00% TA52
R8824	0RD1301F609	1.3K OHM 1/6 W 5.00% TA52
R8825	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8826	0RD3900F609	390 OHM 1/6 W 5% TA52
R8827	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R8828	0RD1001F609	1K OHM 1/6 W 5% TA52
R8830	0RD1002F609	10K OHM 1/6 W 5% TA52
R8832	0RD1001F609	1K OHM 1/6 W 5% TA52
R8833	0RD4701F609	4.7K OHM 1/6 W 5% TA52
VR801	0RV5102D550	1K OHM 6 AG L3P5, 2.5 -
VR8401	180-F03L	EVN-DJAA03 B104 SEMI-FIX(H) TA
VR8501	180-F03L	EVN-DJAA03 B104 SEMI-FIX(H) TA

SWITCH

LOCA. NO	PART NO	DESCRIPTION
SW1	140-315A	TACT SKHV17910B LG C&D NON 12V
SW102	140-275A	PUSH JDPB21SA EVLAND NON 30V 0.3A
SW2	140-315A	TACT SKHV17910B LG C&D NON 12V
SW3	140-315A	TACT SKHV17910B LG C&D NON 12V
SW4	140-315A	TACT SKHV17910B LG C&D NON 12V
SW741	140-313B	TACT 2LEAD 160G(TA) LG C&D NON
SW800	6600VM2006A	SDDF3PATP011 POSTEC UNIVERSAL 250V 4A

FILTER & CRYSTAL

LOCA. NO	PART NO	DESCRIPTION
F601	6200VJS001A	ZJY51R5-4P TDK DIP DC 50VOLT 2A
F602	6200VJS001B	ZJYS51R5-2PL(T) TDK R/TP 50VOLT 2A
F603	6200VJS001B	ZJYS51R5-2PL(T) TDK R/TP 50VOLT 2A
IC411	6200C000010	H354LAI-K5202 KOREA TOKO
IC412	6200C000010	H354LAI-K5202 KOREA TOKO
IC413	6200C000009	H354LAI-K5225 KOREA TOKO

LOCA. NO	PART NO	DESCRIPTION
L001	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L002	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L003	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L004	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L007	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L008	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L009	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L100	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L101	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L411	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L412	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L8301	6200JB8006D	LS614046 BK 4600UH, 1.4PHY, 28T, T-29
L8302	6200JB8006D	LS614046 BK 4600UH, 1.4PHY, 28T, T-29
L8303	6200JB8006D	LS614046 BK 4600UH, 1.4PHY, 28T, T-29
L8305	150-F06D	SQE2930 MH PHY TURN
L8306	6200VLB005E	COOL-27(TROIDAL) ,82MH 1.4PHY , 23TURN
L8401	125-022K	FERRITE NON AXIAL 62MM 1UH NY 3.5X6.0MM
L871	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L873	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L874	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L875	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L876	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L877	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L878	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L879	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L880	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L8801	125-022K	FERRITE NON AXIAL 62MM 1UH NY 3.5X6.0MM
L8802	125-022K	FERRITE NON AXIAL 62MM 1UH NY 3.5X6.0MM
L881	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L882	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L883	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L884	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L889	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L890	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L900	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L901	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L902	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L903	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L904	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L905	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L906	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L907	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L908	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L909	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L910	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L911	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L912	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L913	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L914	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L915	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L916	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L917	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP

LOCA. NO	PART NO	DESCRIPTION
L918	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L919	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L920	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L921	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L922	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L923	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L924	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L925	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L926	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L927	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L928	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L929	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
LA201	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
R129	6200JB8010L	MLB-201209-1000L-N2 R/C36 1000OHM 350MA
R130	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
R833	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
R834	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
R922	6200JB8013L	BEAD FEELUX R/TP 60 OHM TB201209U060
X1470	6202VDT002E	CRYSTAL.SX-1SMD 20250000HZ 30PPM 16PF TP
X1501	6202VDT002J	CRYSTAL.SX-1 13.500000MHZ +/- 50 PPM 14PF
X410	6212AB2015B	CRYSTAL.HC-49/SM5H 20MHZ +/- 30 PPM 16PF
X470	6202VDT002E	CRYSTAL.SX-1SMD 20250000HZ 30PPM 16PF TP
X501	6202VDT002J	CRYSTAL.SX-1 13.500000MHZ +/- 50 PPM 14PF
X601	156-A02M	CRYSTAL.HC49U 18.432MHZ 30PPM 10PF BK
X720	6212AB2015C	CRYSTAL.HC-49/SM4H 25MHZ +/- 50 PPM 20PF

JACK

JP1	6612VLH002A	SP026B PARK ELEC 4P RD/BK/BK/RD
P101	6612JH003CA	PPJ137A PARK ELEC. AUDIO L-MONO JACK
P102	380-068E	UEJ-CV-018 UGCOM D3.5 E/P
P102	6612J00010A	PPJ128A-1 PARKELEC A/V 2P
P103	6612BBBHN6A	440062-1 AMP DVI INTERACED RIGHT ANGLE
P103	380-363K	PJ6046G H=8.0 W/O S/W,W/SHIELD
P104	6612VMV002A	UCT-EX-020 UGCOM BNC MONO
P105	380-068E	UEJ-CV-018 UGCOM D3.5 E/P JACK W/SHIELD
P105	6612JH003CA	PPJ137A PARK ELEC. AUDIO L-MONO JACK

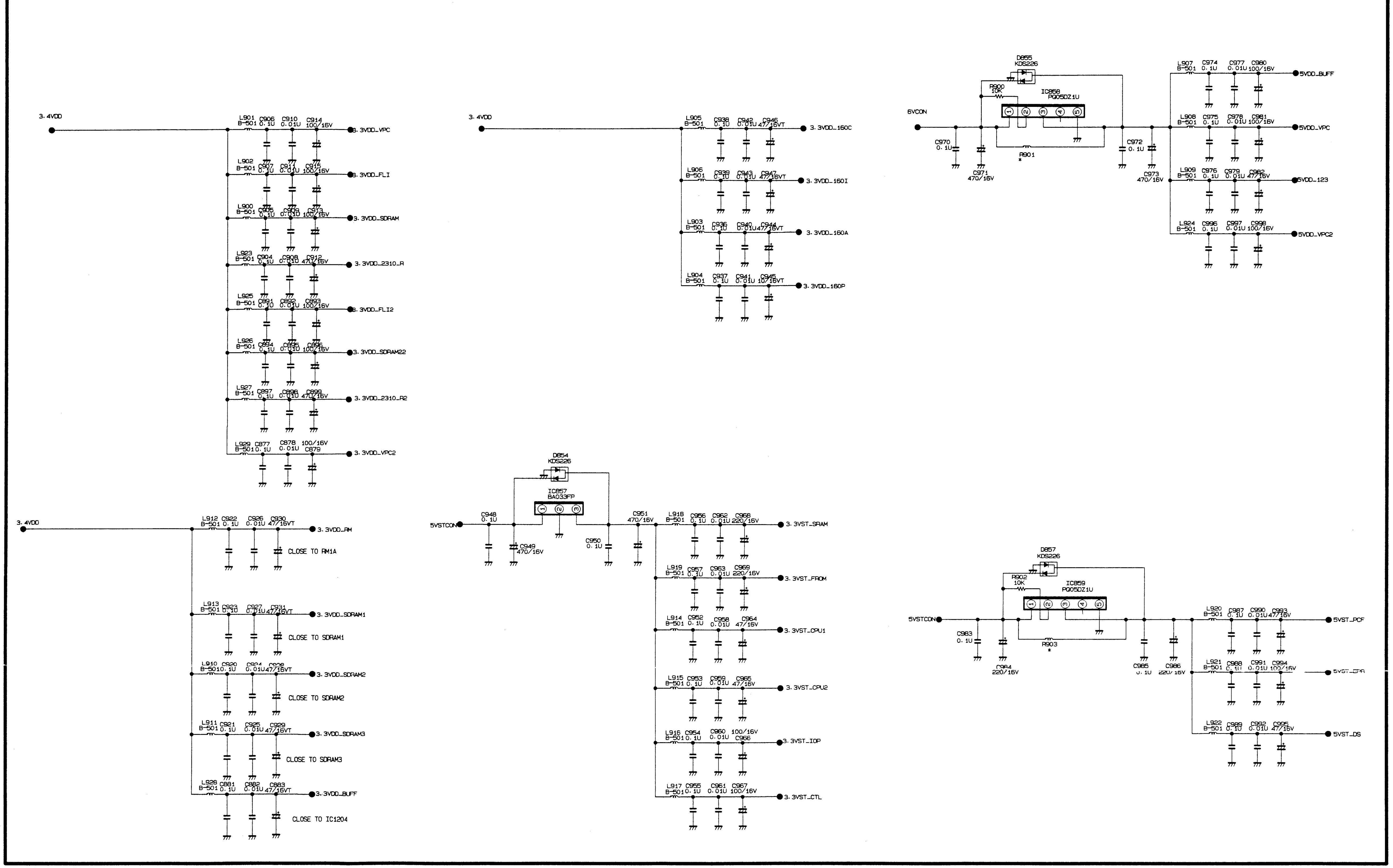
ACCESSORIES

A1	3828VA0440C	MANUAL,OWNERS RF03LA 60PZ902/V/M 067Y TX
A2	6710V00067Y	REMOTE CONTROLLER,RF02RA NON
A3	6410VEH003C	POWER CORD,M2511A-001 2800MM
A4	6850J00002A	CABLE,DVI DVI-D TO DVI-D UL20276 3000MM
A5	6866VA9001B	CONNECTOR (CIRC),D-SUB 2990-9C UL 1161

MISCELLANEOUS

F8301	0FS1502B67B	FUSE,SLOW BLOW SLOW 15000MA 250 V 6.3X31.8
F8302	131-098B	FUSE,SLOW BLOW 4000MA 250 V 5.2X20
F8801	0FF4001A234	FUSE,FAST BLOE 4000MA 125 V 2.5X7.6
PA1	6726VH0001A	REMOTE CONTROLLER RECEIVER,TSOP1238RF1
VA8301	164-003G	VARISTOR,TVR621D14A THINKING 620V 10%
VA8302	164-003G	VARISTOR,TVR621D14A THINKING 620V 10%
X830	6204B47985D	OSCILLATOR,SCO-103 12MHZ +/-100PPM 3.3V

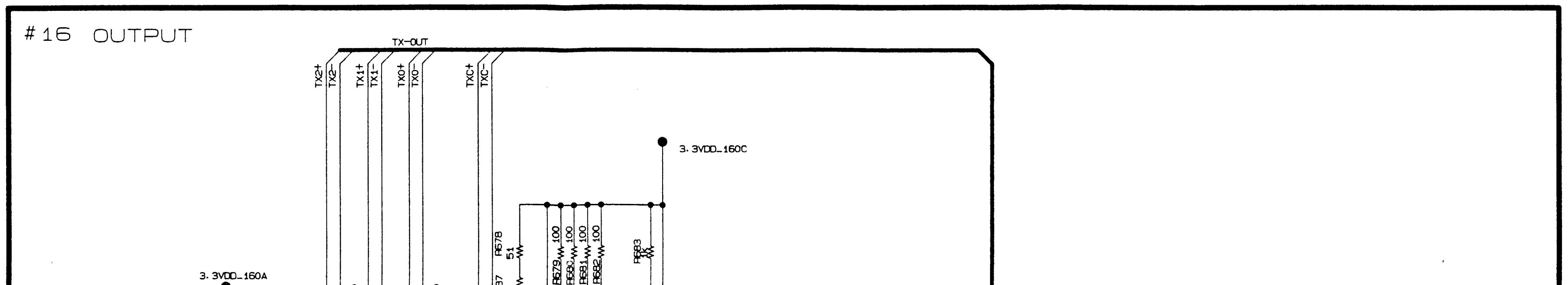
#18 POWER2



3.4VDD
L901 B-501 C906 0.1U C910 0.01U C914 100/16V
3.3VDD_VPC
L902 B-501 C907 0.1U C911 0.01U C915 100/16V
3.3VDD_FLI
L900 B-501 C905 0.1U C909 0.01U C913 100/16V
3.3VDD_SDRAM
L923 B-501 C904 0.1U C908 0.01U C912 47/16V
3.3VDD_2310_R
L925 B-501 C891 0.1U C892 0.01U C893 100/16V
3.3VDD_FLI2
L926 B-501 C894 0.1U C895 0.01U C896 100/16V
3.3VDD_SDRAM22
L927 B-501 C897 0.1U C898 0.01U C899 47/16V
3.3VDD_2310_R2
L929 B-501 C877 0.1U C878 0.01U C879 100/16V
3.3VDD_VPC2
3.4VDD
L905 B-501 C938 0.1U C942 0.01U C946 47/16VT
3.3VDD_160C
L906 B-501 C939 0.1U C943 0.01U C947 47/16VT
3.3VDD_160I
L903 B-501 C936 0.1U C940 0.01U C944 47/16VT
3.3VDD_160A
L904 B-501 C937 0.1U C941 0.01U C945 10/16VT
3.3VDD_160P
D855 KDS226
R900 10K
IC858 PQ05DZ1U
5VCON
C970 0.1U
C971 470/16V
R901
C972 0.1U
C973 470/16V
L907 B-501 C974 0.1U C977 0.01U C980 100/16V
5VDD_BUFF
L908 B-501 C975 0.1U C978 0.01U C981 100/16V
5VDD_VPC
L909 B-501 C976 0.1U C979 0.01U C982 47/16V
5VDD_123
L924 B-501 C996 0.1U C997 0.01U C998 100/16V
5VDD_VPC2
3.4VDD
L912 B-501 C922 0.1U C926 0.01U C930 47/16VT
3.3VDD_RM
CLOSE TO RM1A
L913 B-501 C923 0.1U C927 0.01U C931 47/16VT
3.3VDD_SDRAM1
CLOSE TO SDRAM1
L910 B-501 C920 0.1U C924 0.01U C928 47/16VT
3.3VDD_SDRAM2
CLOSE TO SDRAM2
L911 B-501 C921 0.1U C925 0.01U C929 47/16VT
3.3VDD_SDRAM3
CLOSE TO SDRAM3
L928 B-501 C881 0.1U C882 0.01U C883 47/16VT
3.3VDD_BUFF
CLOSE TO IC1204
D854 KDS226
IC857 BA033FP
5VSTCON
C948 0.1U
C949 470/16V
C950 0.1U
C951 470/16V
L918 B-501 C956 0.1U C962 0.01U C968 220/16V
3.3VST_SRAM
L919 B-501 C957 0.1U C963 0.01U C969 220/16V
3.3VST_FROM
L914 B-501 C952 0.1U C958 0.01U C964 47/16V
3.3VST_CPU1
L915 B-501 C953 0.1U C959 0.01U C965 47/16V
3.3VST_CPU2
L916 B-501 C954 0.1U C960 0.01U C966 100/16V
3.3VST_IOP
L917 B-501 C955 0.1U C961 0.01U C967 100/16V
3.3VST_CTL
D857 KDS226
R902 10K
IC859 PQ05DZ1U
5VSTCON
C983 0.1U
C984 220/16V
R903
C985 0.1U
C986 220/16V
L920 B-501 C987 0.1U C990 0.01U C993 47/16V
5VST_PCF
L921 B-501 C988 0.1U C991 0.01U C994 100/16V
5VST_EPR
L922 B-501 C989 0.1U C992 0.01U C995 47/16V
5VST_DS

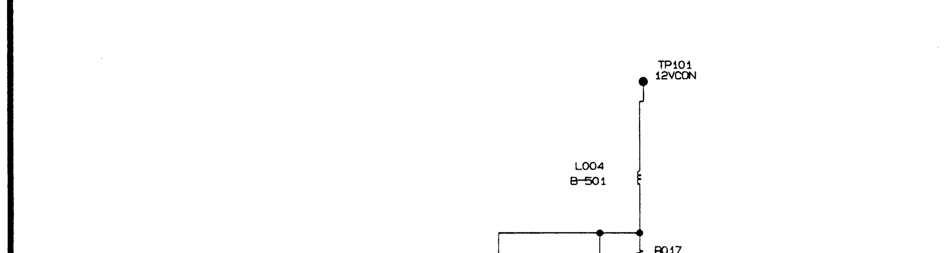
#17

#16 OUTPUT



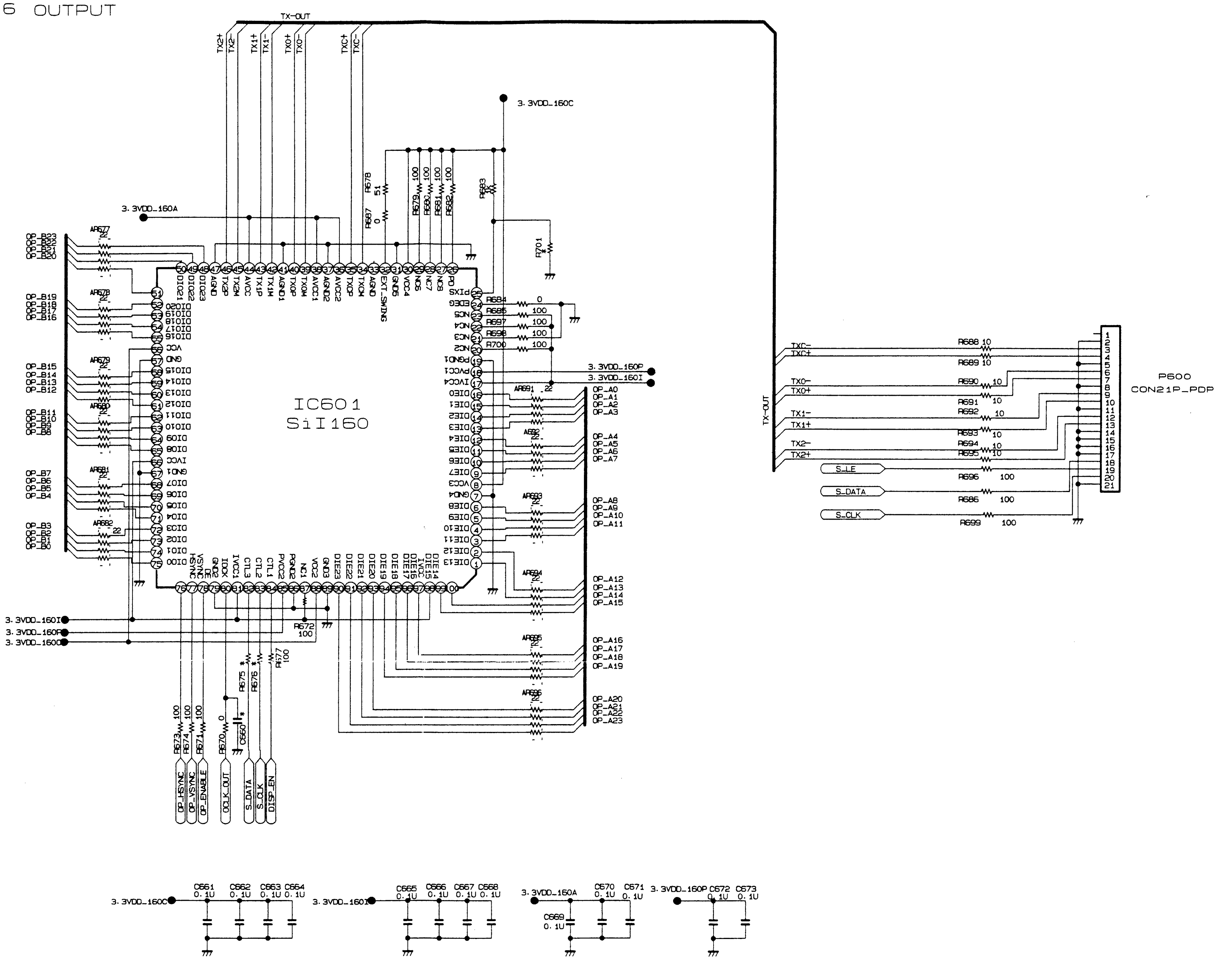
TX-OUT
TX2+
TX2-
TX1+
TX1-
TX0+
TX0-
TXC+
TXC-
3.3VDD_160C
3.3VDD_160A
R678 51
R679 100
R680 100
R681 100
R682 100
R683

#19 AUDIO



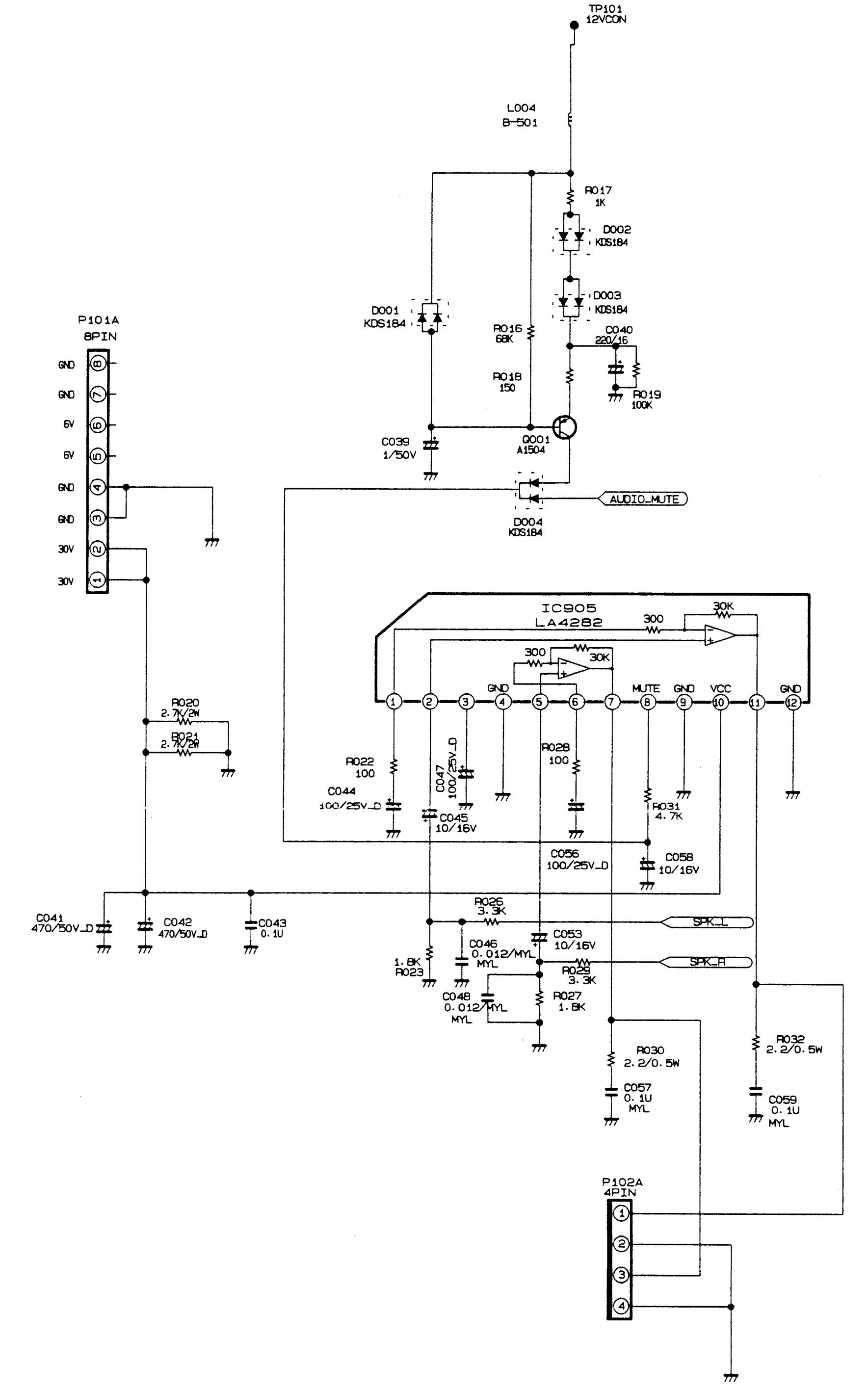
TP101 12VCON
L004 B-501
R017

#16 OUTPUT



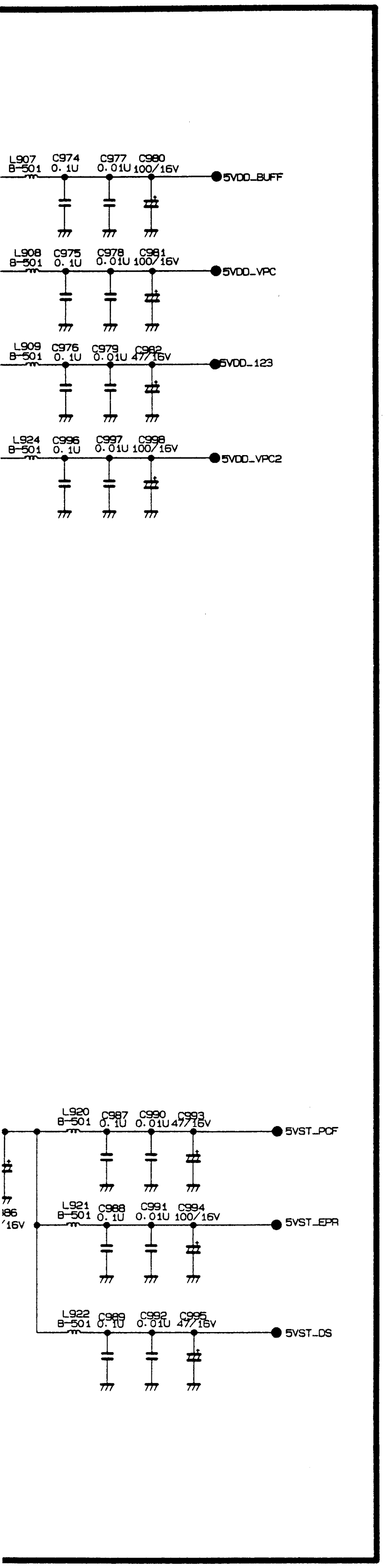
TX-OUT
TX2+
TX2-
TX1+
TX1-
TX0+
TX0-
TXC+
TXC-
3.3VDD_160C
3.3VDD_160A
3.3VDD_160P
3.3VDD_160I
3.3VDD_160R
3.3VDD_160O
IC601
SiI160
P600
CON21P_PDP
R678 51
R687 0
R679 100
R680 100
R681 100
R682 100
R683
R701
R684 0
R685 100
R697 100
R698 100
R700 100
R688 10
R689 10
R690 10
R691 10
R692 10
R693 10
R694 10
R695 10
R696 100
R686 100
R699 100
R672 100
R673 100
R674 100
R671 100
R670 0
R675
R676
R677 100
C660
AR677 22
AR678 22
AR679 22
AR680 22
AR681 22
AR682 22
AR691 22
AR692 22
AR693 22
AR694 22
AR695 22
AR696 22
OP_B23
OP_B22
OP_B21
OP_B20
OP_B19
OP_B18
OP_B17
OP_B16
OP_B15
OP_B14
OP_B13
OP_B12
OP_B11
OP_B10
OP_B9
OP_B8
OP_B7
OP_B6
OP_B5
OP_B4
OP_B3
OP_B2
OP_B1
OP_B0
OP_A0
OP_A1
OP_A2
OP_A3
OP_A4
OP_A5
OP_A6
OP_A7
OP_A8
OP_A9
OP_A10
OP_A11
OP_A12
OP_A13
OP_A14
OP_A15
OP_A16
OP_A17
OP_A18
OP_A19
OP_A20
OP_A21
OP_A22
OP_A23
OP_HSYNC
OP_VSYNC
OP_ENABLE
ODCLK_OUT
S_DATA
S_CLK
DISP_EN
S_LE
S_DATA
S_CLK
C661 0.1U
C662 0.1U
C663 0.1U
C664 0.1U
C665 0.1U
C666 0.1U
C667 0.1U
C668 0.1U
C669 0.1U
C670 0.1U
C671 0.1U
C672 0.1U
C673 0.1U

#19 AUDIO

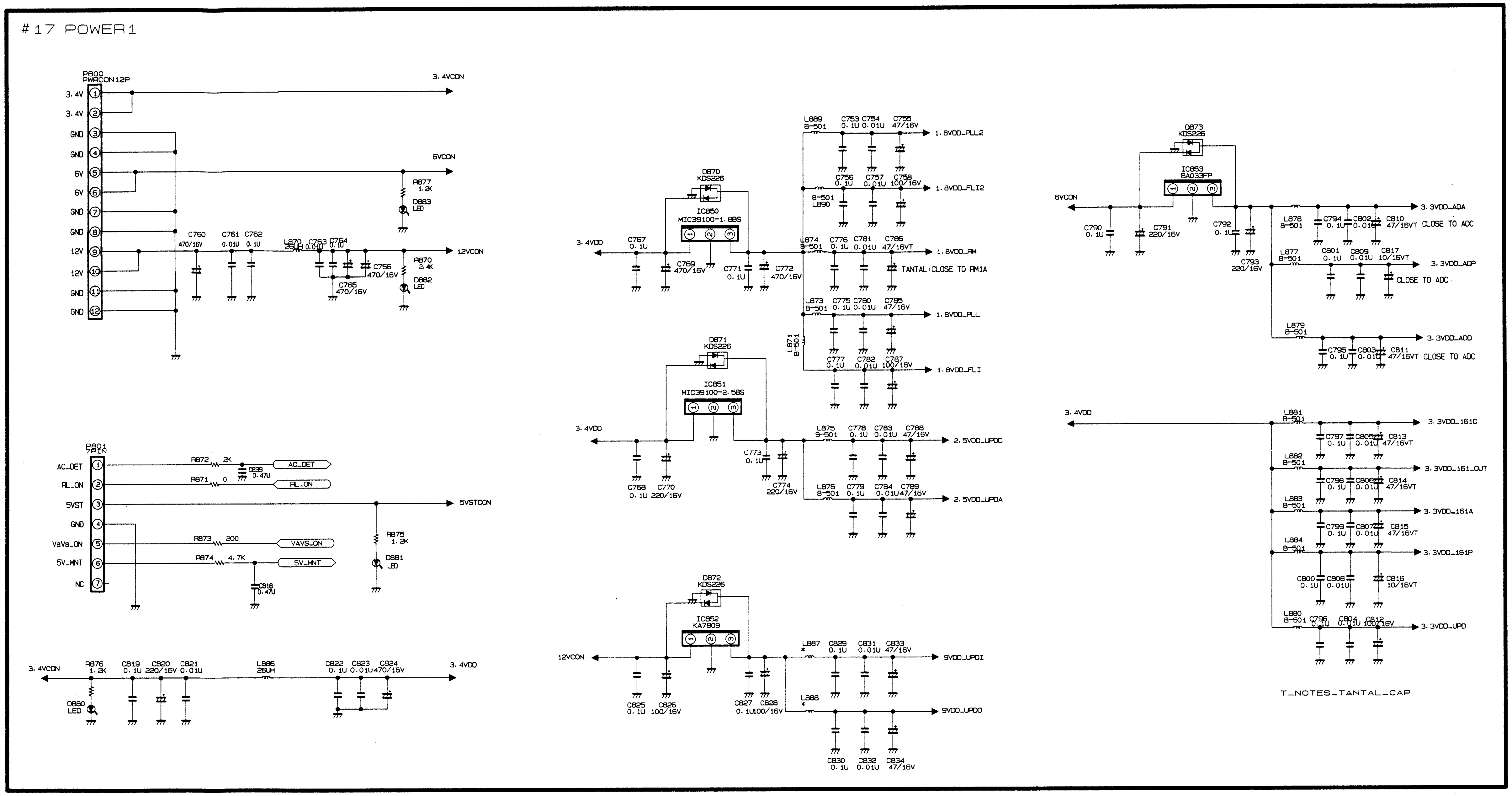


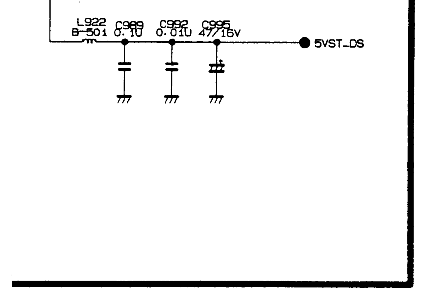
TP101
12VCON
L004
B-501
R017 1K
D002 KDS184
D003 KDS184
D001 KDS184
R016 68K
R018 150
C040 220/16
R019 100K
C039 1/50V
Q001 A1504
D004 KDS184
AUDIO_MUTE
P101A
8PIN
GND
GND
6V
6V
GND
GND
30V
30V
IC905
LA4282
300
30K
MUTE
GND
VCC
R020 2.7K/2W
R021 2.7K/2W
R022 100
C044 100/25V_D
C047 100/25V_D
C045 10/16V
R028 100
R031 4.7K
C056 100/25V_D
C058 10/16V
C041 470/50V_D
C042 470/50V_D
C043 0.1U
R025 3.3K
C046 0.012/MYL
C053 10/16V
R023 1.8K
R029 3.3K
C048 0.012/MYL
R027 1.8K
SPK_L
SPK_R
R030 2.2/0.5W
R032 2.2/0.5W
C057 0.1U MYL
C059 0.1U MYL
P102A
4PIN

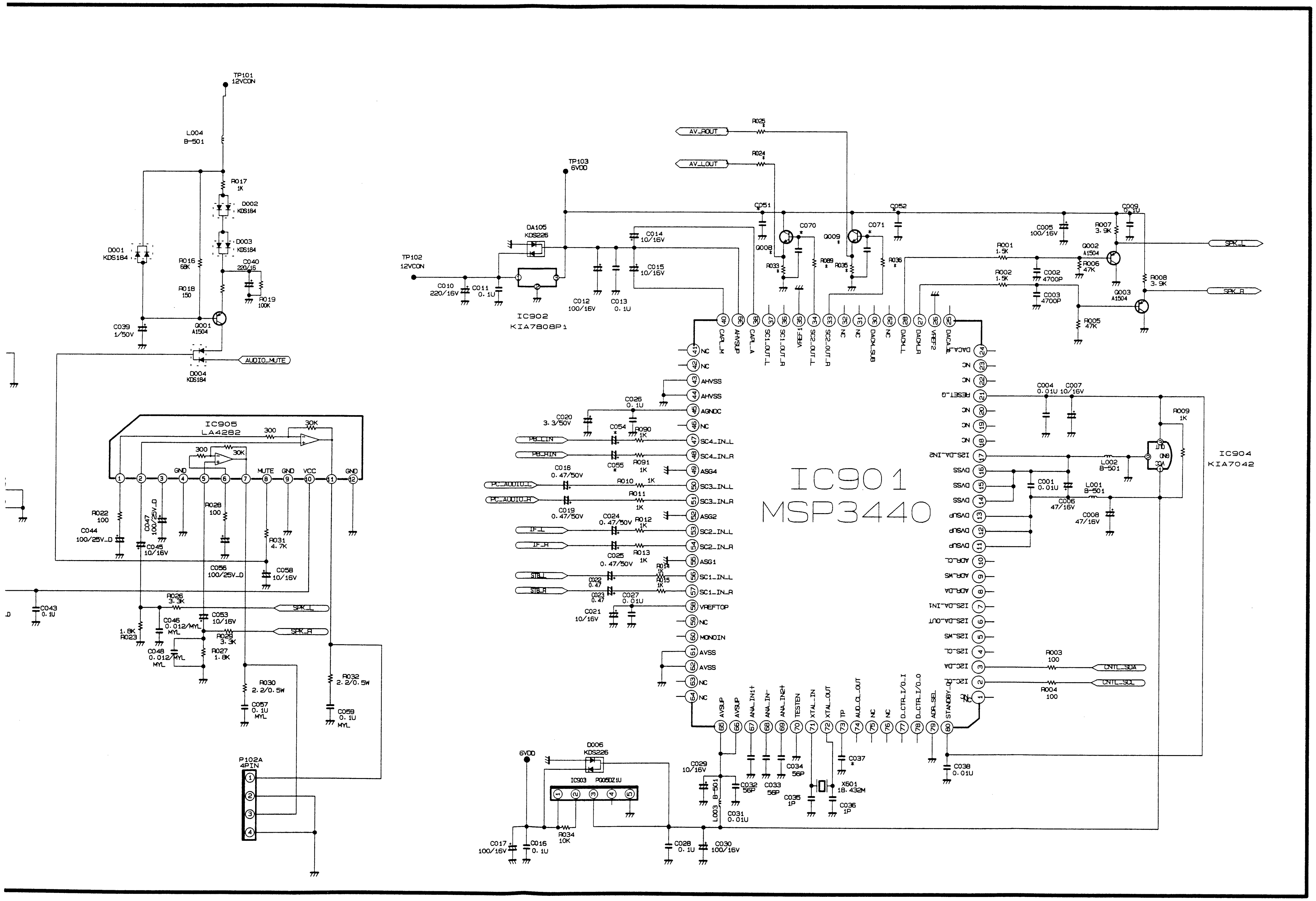
1


L907
B-501
C974
0.1U
C977
0.01U
C980
100/16V
5VDD_BUFF
L908
B-501
C975
0.1U
C978
0.01U
C981
100/16V
5VDD_VPC
L909
B-501
C976
0.1U
C979
0.01U
C982
47/16V
5VDD_123
L924
B-501
C996
0.1U
C997
0.01U
C998
100/16V
5VDD_VPC2
L920
B-501
C987
0.1U
C990
0.01U
C993
47/16V
5VST_PCF
L921
B-501
C988
0.1U
C991
0.01U
C994
100/16V
5VST_EPR
L922
B-501
C989
0.1U
C992
0.01U
C995
47/16V
5VST_DS

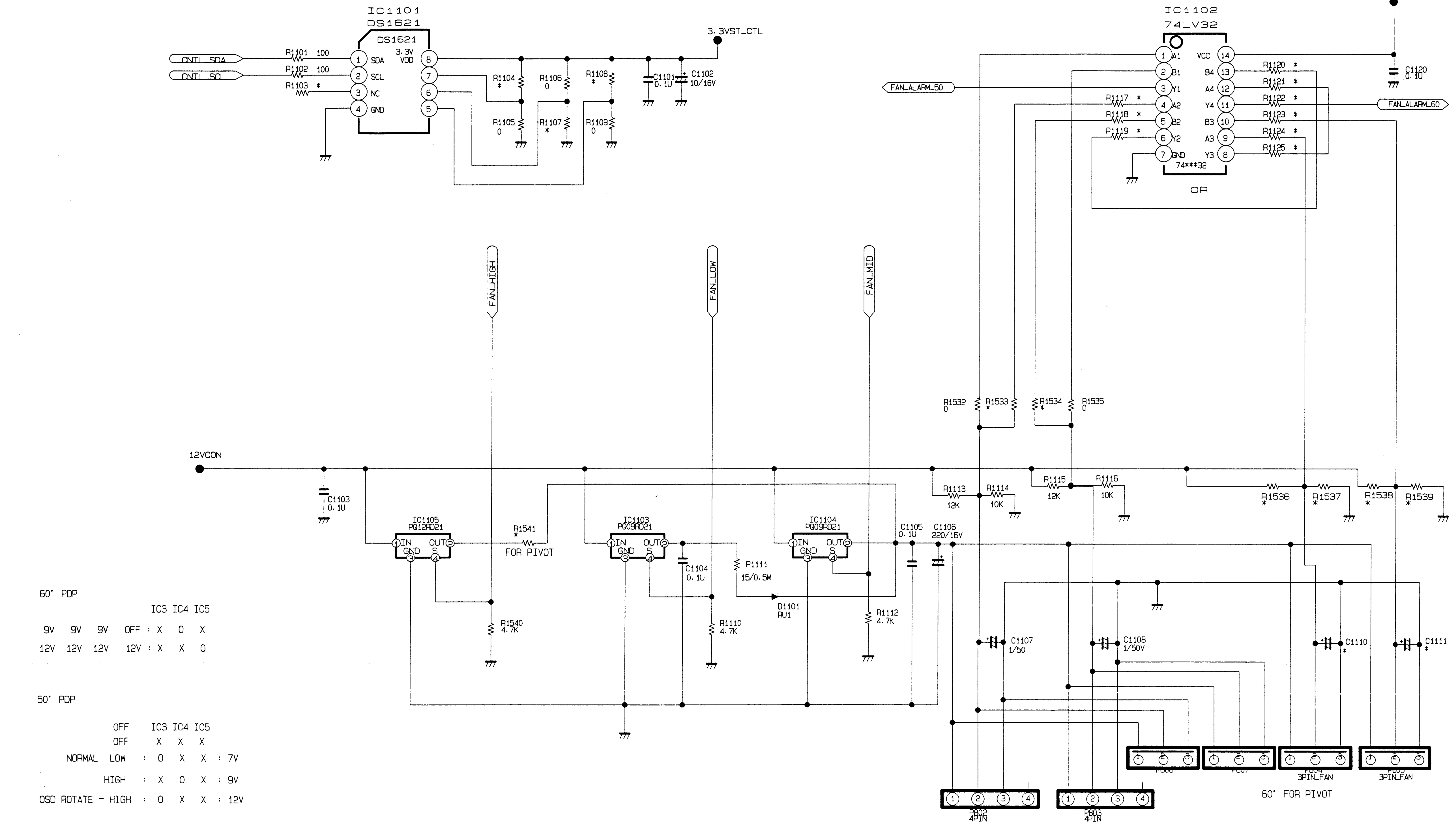
#17 POWER1


P800
PWRCON12P
3.4V
3.4V
GND
GND
6V
6V
GND
GND
12V
12V
GND
GND
3.4VCON
6VCON
12VCON
R877
1.2K
D883
LED
C750
470/16V
C761
0.01U
C762
0.1U
L870
C763
0.01U
C764
0.1U
C766
470/16V
C765
470/16V
R870
2.4K
D882
LED
P801
7PIN
AC_DET
RL_ON
5VST
GND
VaVs_ON
5V_MNT
NC
R872
2K
C839
0.47U
AC_DET
R871
0
RL_ON
5VSTCON
R875
1.2K
D881
LED
R873
200
VAVS_ON
R874
4.7K
5V_MNT
C818
0.47U
3.4VCON
R876
1.2K
D880
LED
C819
0.1U
C820
220/16V
C821
0.01U
L886
26UH
C822
0.1U
C823
0.01U
C824
470/16V
3.4VDD
D870
KDS226
IC850
MIC39100-1.8BS
3.4VDD
C767
0.1U
C769
470/16V
C771
0.1U
C772
470/16V
L889
B-501
C753
0.1U
C754
0.01U
C755
47/16V
1.8VDD_PLL2
B-501
L890
C756
0.1U
C757
0.01U
C758
100/16V
1.8VDD_FLI2
L874
B-501
C776
0.1U
C781
0.01U
C786
47/16VT
1.8VDD_RM
TANTAL:CLOSE TO RM1A
L873
B-501
C775
0.1U
C780
0.01U
C785
47/16V
1.8VDD_PLL
L871
B-501
C777
0.1U
C782
0.01U
C787
100/16V
1.8VDD_FLI
D871
KDS226
IC851
MIC39100-2.5BS
3.4VDD
C768
0.1U
C770
220/16V
C773
0.1U
C774
220/16V
L875
B-501
C778
0.1U
C783
0.01U
C788
47/16V
2.5VDD_UPDD
L876
B-501
C779
0.1U
C784
0.01U
C789
47/16V
2.5VDD_UPDA
D872
KDS226
IC852
KA7809
12VCON
C825
0.1U
C826
100/16V
C827
0.1U
C828
100/16V
L887
*
C829
0.1U
C831
0.01U
C833
47/16V
9VDD_UPDI
L888
*
C830
0.1U
C832
0.01U
C834
47/16V
9VDD_UPDO
D873
KDS226
IC853
BA033FP
6VCON
C790
0.1U
C791
220/16V
C792
0.1U
C793
220/16V
L878
B-501
C794
0.1U
C802
0.01U
C810
47/16VT
3.3VDD_ADA
CLOSE TO ADC
L877
B-501
C801
0.1U
C809
0.01U
C817
10/16VT
3.3VDD_ADP
CLOSE TO ADC
L879
B-501
C795
0.1U
C803
0.01U
C811
47/16VT
3.3VDD_ADD
CLOSE TO ADC
3.4VDD
L881
B-501
C797
0.1U
C805
0.01U
C813
47/16VT
3.3VDD_161C
L882
B-501
C798
0.1U
C806
0.01U
C814
47/16VT
3.3VDD_161_OUT
L883
B-501
C799
0.1U
C807
0.01U
C815
47/16VT
3.3VDD_161A
L884
B-501
C800
0.1U
C808
0.01U
C816
10/16VT
3.3VDD_161P
L880
B-501
C796
0.1U
C804
0.01U
C812
100/16V
3.3VDD_UPD
T_NOTES_TANTAL_CAP


L922
B-501
C989
0.1U
C992
0.01U
C995
47/16V
5VST_DS


IC901
MSP3440
IC902
KIA7808P1
IC903
P005DZ1U
IC904
KIA7042
IC905
LA4282
TP101
12VCON
TP102
12VCON
TP103
6VDD
6VDD
L004
B-501
L001
B-501
L002
B-501
L003
B-501
D001
KDS184
D002
KDS184
D003
KDS184
D004
KDS184
D006
KDS226
DA105
KDS226
Q001
A1504
Q002
A1504
Q003
A1504
Q008
Q009
X501
18.432M
P102A
4PIN
AUDIO_MUTE
AV_ROUT
AV_LOUT
SPK_L
SPK_R
PB_LIN
PB_RIN
PC_AUDIO_L
PC_AUDIO_R
IF_L
IF_R
STB_L
STB_R
CNTL_SDA
CNTL_SCL
R001 1.5K
R002 1.5K
R003 100
R004 100
R005 47K
R006 47K
R007 3.9K
R008 3.9K
R009 1K
R010 1K
R011 1K
R012 1K
R013 1K
R014
R015 1K
R016 68K
R017 1K
R018 150
R019 100K
R022 100
R023 1.8K
R024
R025
R026 3.3K
R027 1.8K
R028 100
R029 3.3K
R030 2.2/0.5W
R031 4.7K
R032 2.2/0.5W
R033
R034 10K
R035
R036
R069
R090 1K
R091 1K
C001 0.01U
C003 4700P
C002 4700P
C004 0.01U
C005 100/16V
C006 47/16V
C007 10/16V
C008 47/16V
C009 0.1U
C010 220/16V
C011 0.1U
C012 100/16V
C013 0.1U
C014 10/16V
C015 10/16V
C016 0.1U
C017 100/16V
C018 0.47/50V
C019 0.47/50V
C020 3.3/50V
C021 10/16V
C022 0.47
C023 0.47
C024 0.47/50V
C025 0.47/50V
C026 0.1U
C027 0.01U
C028 0.1U
C029 10/16V
C030 100/16V
C031 0.01U
C032 56P
C033 56P
C034 56P
C035 1P
C036 1P
C037
C038 0.01U
C039 1/50V
C040 220/16
C043 0.1U
C044 100/25V_D
C045 0.012/MYL
C046 10/16V
C047 100/25V_D
C048 0.012/MYL
C051
C052
C053 10/16V
C054
C055
C056 100/25V_D
C057 0.1U MYL
C058 10/16V
C059 0.1U MYL
C070
C071
300
30K
300
30K
GND
MUTE
GND
VCC
GND
CAPL_M
AHVSUP
CAPL_A
SC1_OUT_L
SC1_OUT_R
VREF1
SC2_OUT_L
SC2_OUT_R
NC
NC
DACM_SUB
NC
DACM_L
DACM_R
VREF2
DACA_L
DACA_R
AHVSS
AHVSS
AGNDC
NC
SC4_IN_L
SC4_IN_R
ASG4
SC3_IN_L
SC3_IN_R
ASG2
SC2_IN_L
SC2_IN_R
ASG1
SC1_IN_L
SC1_IN_R
VREFTOP
NC
MONOIN
AVSS
AVSS
NC
NC
AVSUP
AVSUP
ANA_IN1+
ANA_IN-
ANA_IN2+
TESTEN
XTAL_IN
XTAL_OUT
TP
AUD_CL_OUT
NC
NC
D_CTR_I/O_I
D_CTR_I/O_O
ADR_SEL
STANDBY_Q
RESET_Q
I2S_DA_IN2
DVSS
DVSS
DVSS
DVSUP
DVSUP
DVSUP
ADR_CL
ADR_WS
ADR_DA
I2S_DA_IN1
I2S_DA_OUT
I2S_WS
I2S_CL
I2C_DA
I2C_CL
OUT
GND
VCC

#20 FAN CONTROL



IC1101
DS1621
3.3VST_CTL
CNTL_SDA
CNTL_SCL
R1101 100
R1102 100
R1103 *
SDA
SCL
NC
GND
3.3V VDD
R1104 *
R1105 0
R1106 0
R1107 *
R1108 *
R1109 0
C1101 0.1U
C1102 10/16V
IC1102
74LV32
74**32
OR
FAN_ALARM_50
FAN_ALARM_60
R1117 *
R1118 *
R1119 *
R1120 *
R1121 *
R1122 *
R1123 *
R1124 *
R1125 *
C1120 0.1U
FAN_HIGH
FAN_LOW
FAN_MID
R1532 0
R1533 *
R1534 *
R1535 0
12VCON
C1103 0.1U
IC1105 PQ12RD21
IC1103 PQ09RD21
IC1104 PQ09RD21
R1541 *
FOR PIVOT
C1104 0.1U
R1111 15/0.5W
D1101 RU1
R1540 4.7K
R1110 4.7K
R1112 4.7K
R1113 12K
R1114 10K
R1115 12K
R1116 10K
C1105 0.1U
C1106 220/16V
R1536 *
R1537 *
R1538 *
R1539 *
C1107 1/50
C1108 1/50V
C1110 *
C1111 *
P802 4PIN
P803 4PIN
3PIN_FAN
3PIN_FAN
60" FOR PIVOT

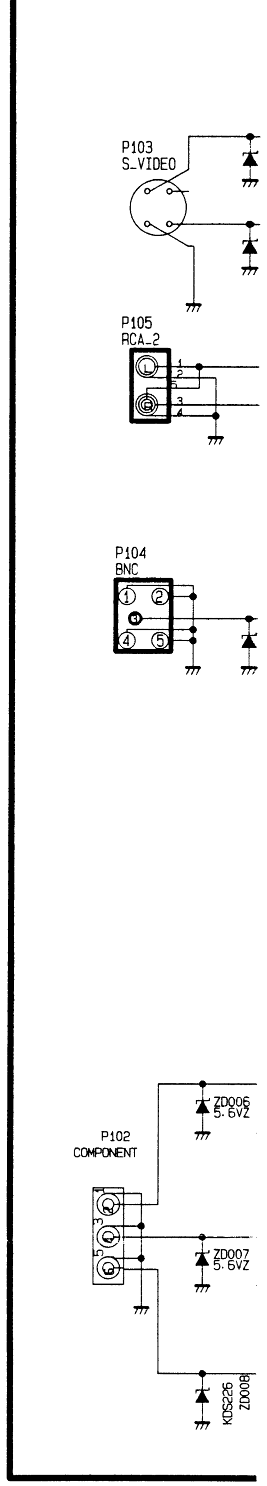
60" PDP

					IC3	IC4	IC5
9V	9V	9V	OFF	:	X	0	X
12V	12V	12V	12V	:	X	X	0

50" PDP

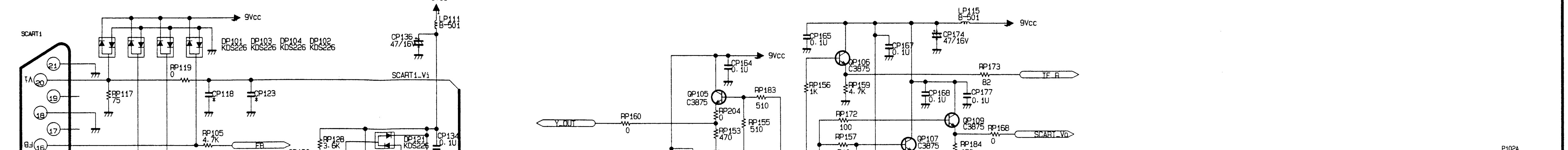
			IC3	IC4	IC5		
	OFF						
	OFF		X	X	X		
NORMAL	LOW	:	0	X	X	:	7V
	HIGH	:	X	0	X	:	9V
OSD ROTATE -	HIGH	:	0	X	X	:	12V

#21 AV INTER



P103 S_VIDEO
P105 RCA_2
P104 BNC
P102 COMPONENT
ZD006 5.6VZ
ZD007 5.6VZ
KDS226 ZD008

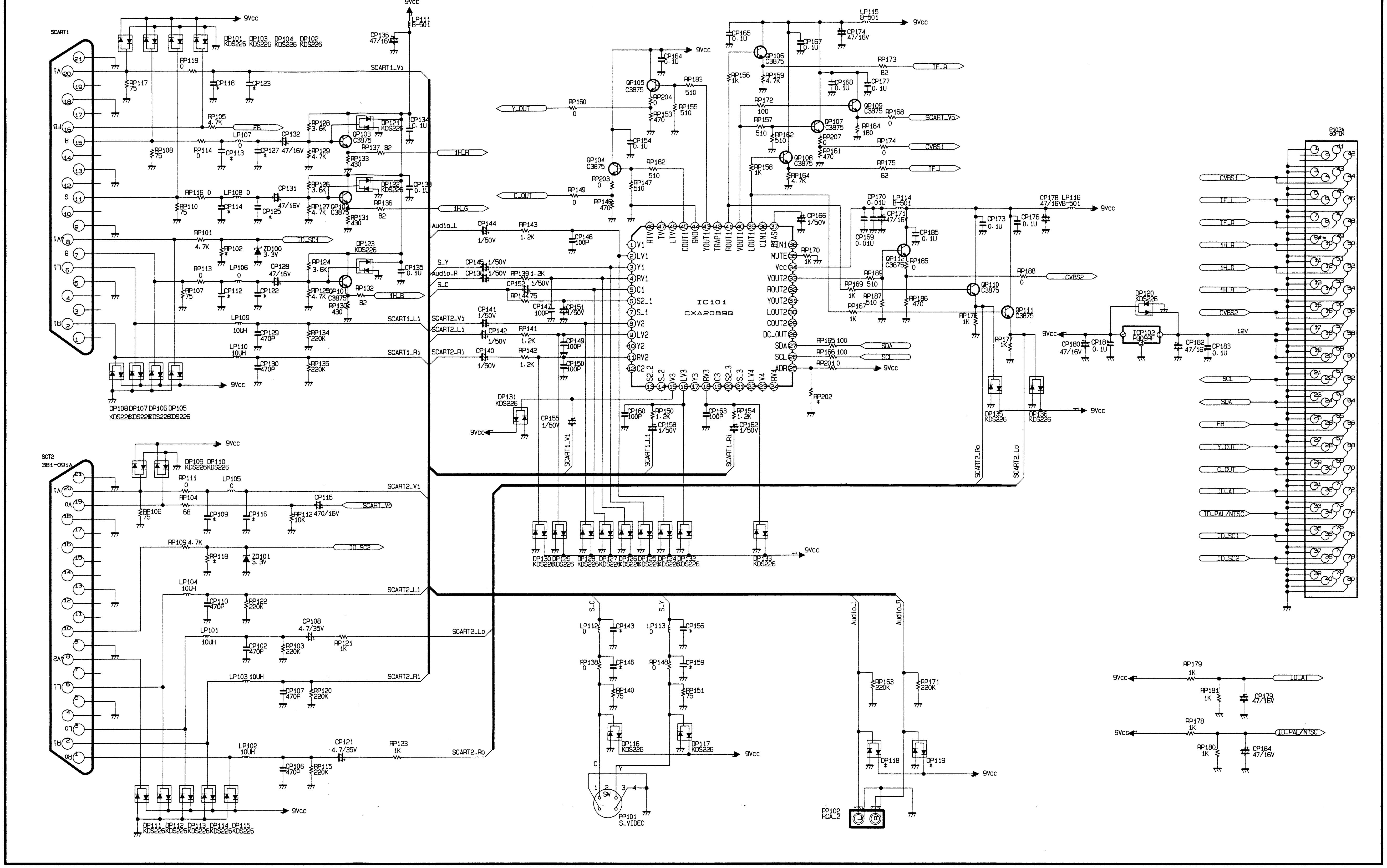
#22 IF_PAL



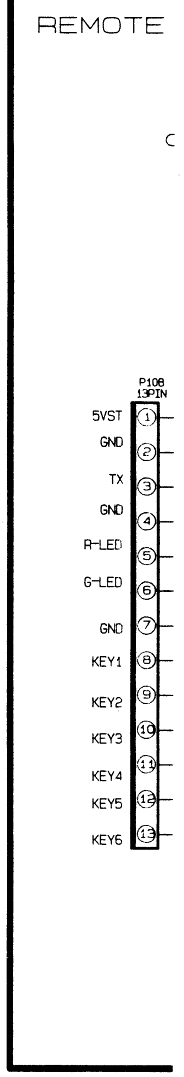
SCART1
9Vcc
DP101 DP103 DP104 DP102
KDS226 KDS226 KDS226 KDS226
RP119 0
RP117 75
CP118
CP123
RP105 4.7K
SCART1_Vi
LP111 B-501
CP136 47/16V
RP128 3.6K
DP121 KDS226
CP134 0.1U
Y_OUT
RP160 0
QP105 C3875
CP164 0.1U
RP183 510
RP204 0
RP153 470
RP155 510
CP165 0.1U
QP106 C3875
CP167 0.1U
CP174 47/16V
LP115 B-501
RP156 1K
RP159 4.7K
RP173 82
IF_R
CP168 0.1U
CP177 0.1U
RP172 100
RP157
QP109 C3875
RP168 0
SCART_Vo
QP107 C3875
RP184 0

REMOTE

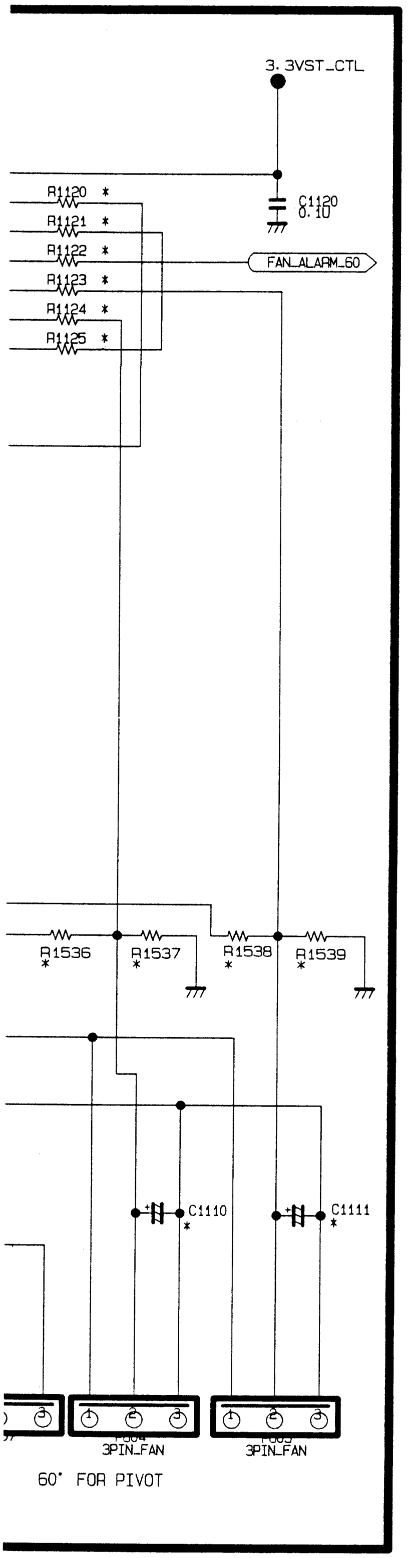
#22 IF_PAL


SCART1
SCT2
381-091A
IC101
CXA2089Q
DP101 DP103 DP104 DP102 KDS226
DP108 DP107 DP106 DP105 KDS226
DP109 DP110 KDS226
DP111 DP112 DP113 DP114 DP115 KDS226
DP130 DP129 DP128 DP127 DP126 DP125 DP124 DP132 KDS226
DP133 KDS226
DP131 KDS226
DP116 KDS226
DP117 KDS226
DP118
DP119
DP120 KDS226
DP135 KDS226
DP136 KDS226
QP101 C3875
QP102 C3875
QP103 C3875
QP104 C3875
QP105 C3875
QP106 C3875
QP107 C3875
QP108 C3875
QP109 C3875
QP110 C3875
QP111 C3875
QP112 C3875
ICP102 P009AF
ZD100 3.3V
ZD101 3.3V
LP111 B-501
LP115 B-501
LP114 B-501
LP116 B-501
9Vcc
12V
SCART1_Vi
SCART1_Li
SCART1_Ri
SCART2_Vi
SCART2_Li
SCART2_Ri
SCART2_Lo
SCART2_Ro
SCART_Vo
SCART1_V1
SCART1_L1
SCART1_R1
Audio_L
Audio_R
S_Y
S_C
Y_OUT
C_OUT
FB
1H_R
1H_G
1H_B
ID_SC1
ID_SC2
ID_AT
ID_PAL/NTSC
TF_R
TF_L
CVBS1
CVBS2
SDA
SCL
RTV
LTV
LTV
COUT1
GND
YOUT1
TRAP1
ROUT1
YOUT1
LOUT1
CIN1
BIAS
V1
LV1
Y1
RV1
C1
S2_1
S_1
V2
LV2
Y2
RV2
C2
BIN1
MUTE
Vcc
VOUT2
ROUT2
YOUT2
LOUT2
COUT2
DC_OUT
SDA
SCL
ADR
P102A
80PIN
P108
13PIN
5VST
GND
TX
GND
R-LED
G-LED
GND
KEY1
KEY2
KEY3
KEY4
KEY5
KEY6
PP101
S_VIDEO
SW
PP102
RCA_2
C
Y

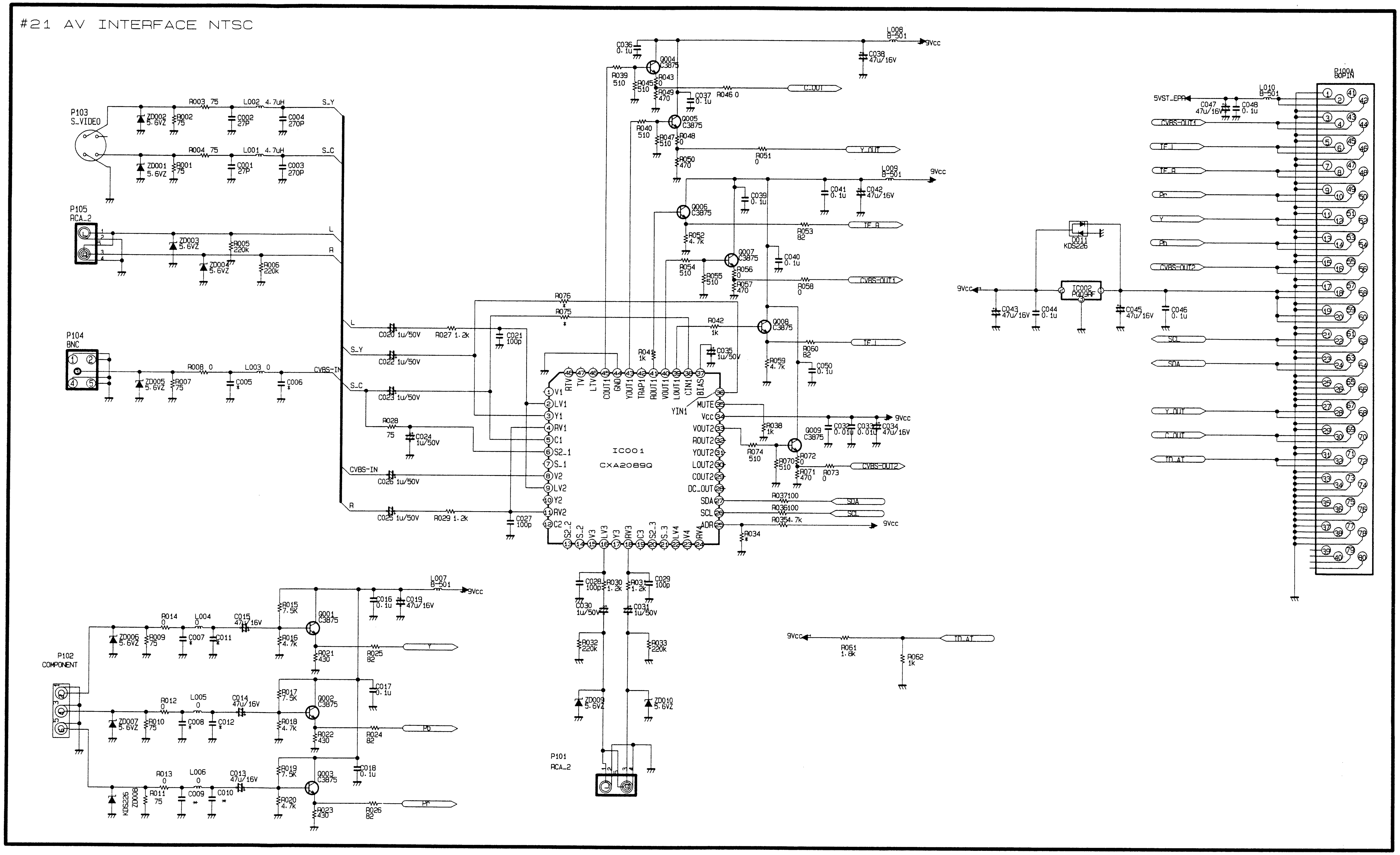
REMOTE



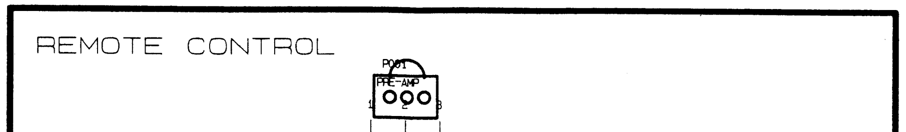
3

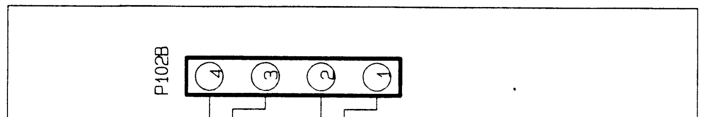

3.3VST_CTL
C1120
0.1U
R1120 *
R1121 *
R1122 *
R1123 *
R1124 *
R1125 *
FAN_ALARM_50
R1536 *
R1537 *
R1538 *
R1539 *
C1110 *
C1111 *
3PIN_FAN
3PIN_FAN
60° FOR PIVOT

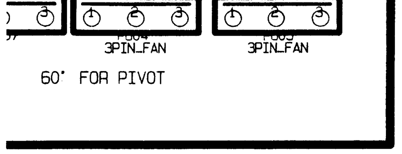
#21 AV INTERFACE NTSC

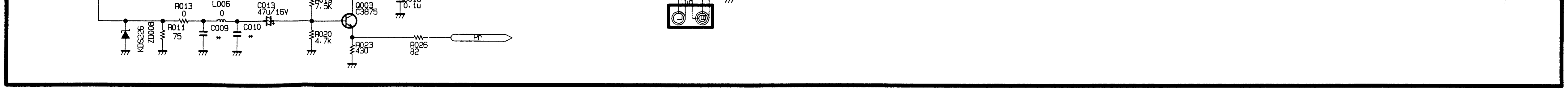

P103
S_VIDEO
P105
RCA_2
P104
BNC
P102
COMPONENT
P101
RCA_2
IC001
CXA2089Q
IC002
PQ09RF
D011
KDS226
P100A
80PIN
S_Y
S_C
L
R
CVBS-IN
9Vcc
5VST_EPA
C_OUT
Y_OUT
TF_R
CVBS-OUT1
TF_L
CVBS-OUT2
SDA
SCL
ID_AT
Y
Pb
Pr
L008 B-501
L009 B-501
L007 B-501
L010 B-501

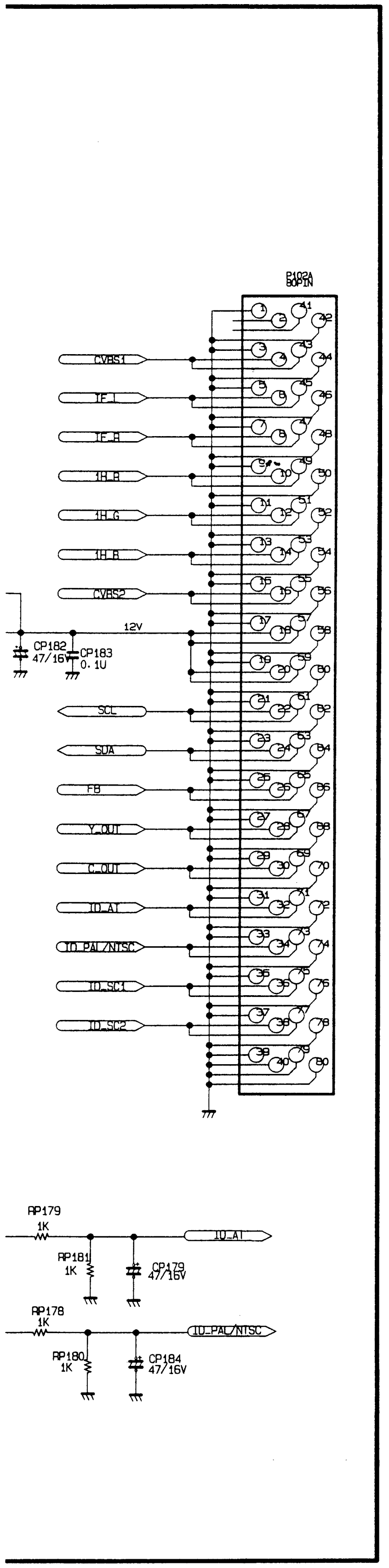
REMOTE CONTROL

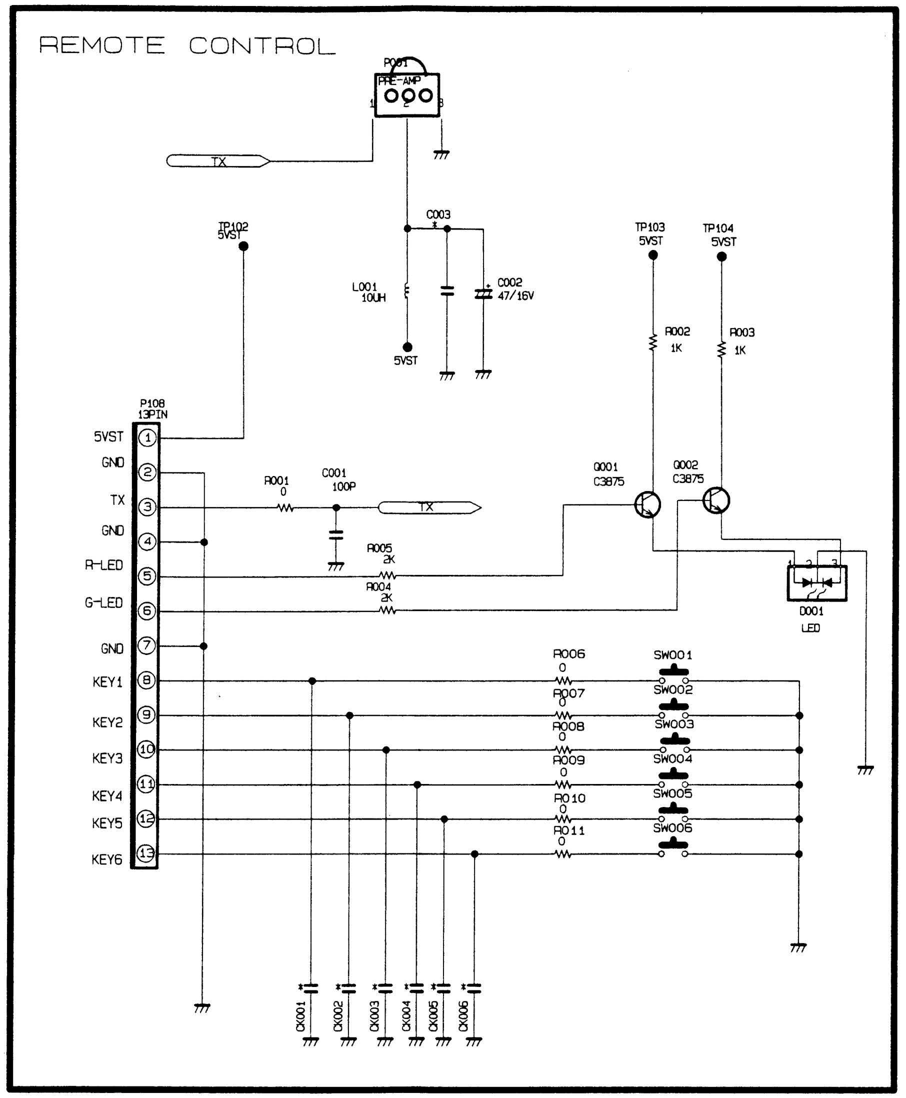

P001
PRE-AMP

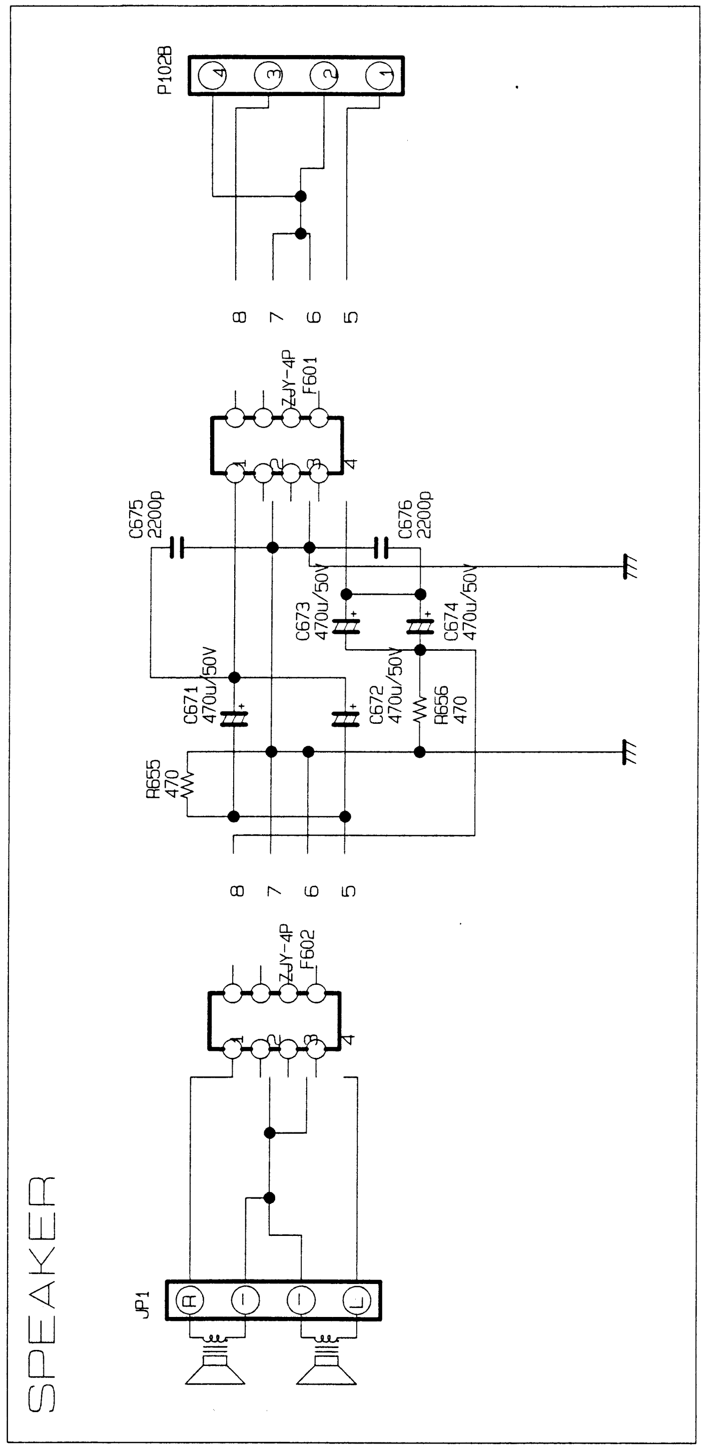



3PIN_FAN
3PIN_FAN
60° FOR PIVOT

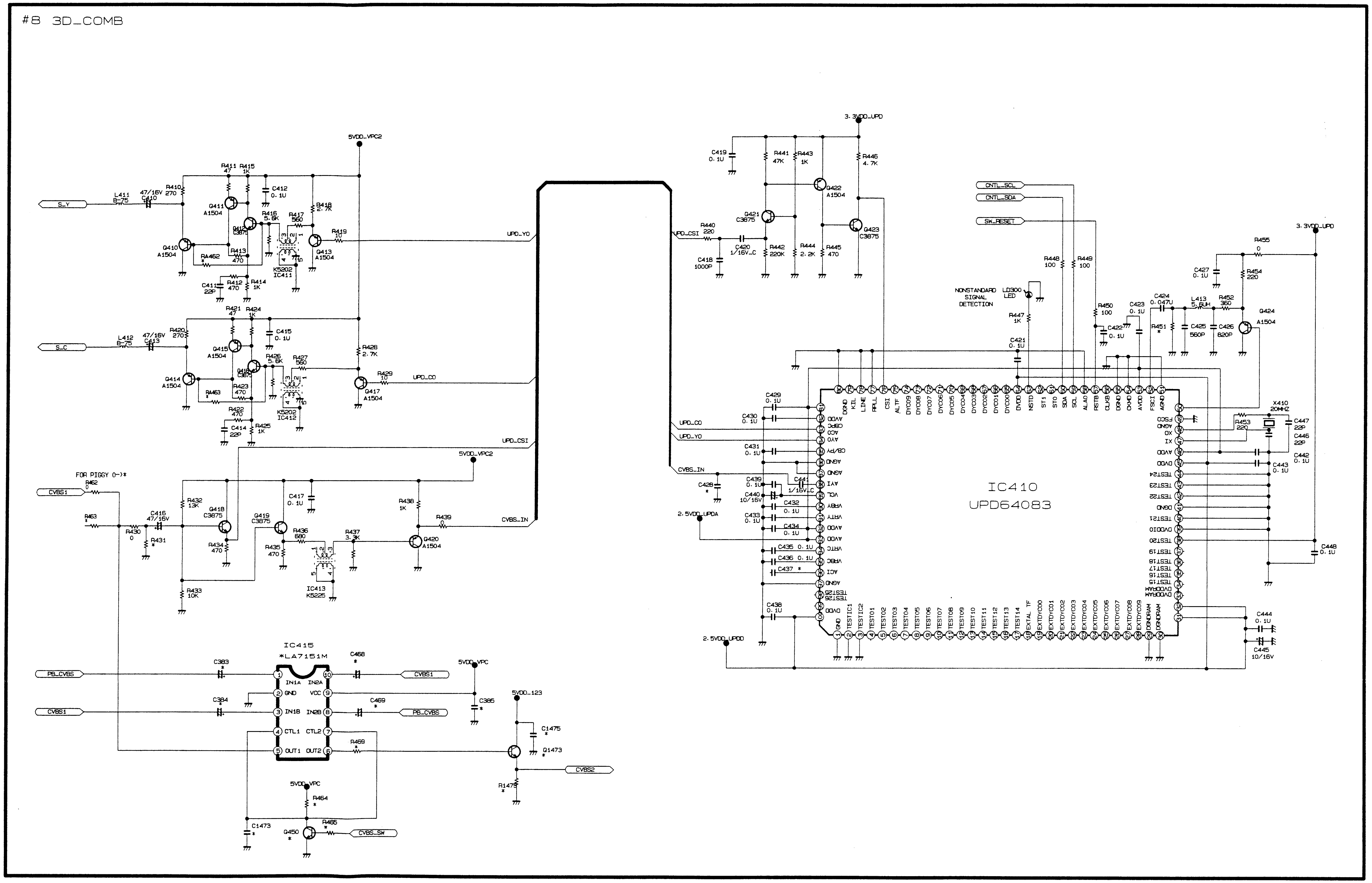

R013
0
L006
0
C013
47U/16V
7.5K
Q003
C3875
0.1u
KDS226
ZD008
R011
75
C009
C010
R020
4.7K
R023
430
R026
82


P102A
80PIN
CVBS1
IF_I
IF_R
1H_R
1H_G
1H_B
CVBS2
12V
CP182
47/16V
CP183
0.1U
SCL
SDA
FB
Y_OUT
C_OUT
ID_AT
ID_PAL/NTSC
ID_SC1
ID_SC2
RP179
1K
RP181
1K
CP179
47/16V
ID_AT
RP178
1K
RP180
1K
CP184
47/16V
ID_PAL/NTSC

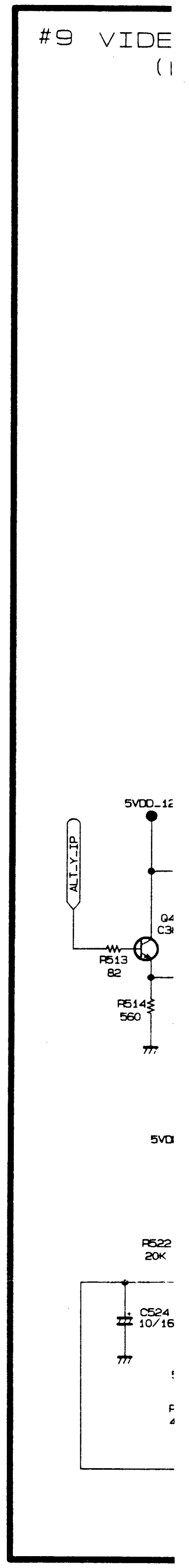

REMOTE CONTROL
P001
PRE-AMP
TX
TP102
5VST
C003
L001
10UH
C002
47/16V
5VST
TP103
5VST
TP104
5VST
R002
1K
R003
1K
P108
13PIN
5VST
GND
TX
GND
R-LED
G-LED
GND
KEY1
KEY2
KEY3
KEY4
KEY5
KEY6
R001
0
C001
100P
TX
Q001
C3875
Q002
C3875
R005
2K
R004
2K
D001
LED
R006
R007
R008
R009
R010
R011
SW001
SW002
SW003
SW004
SW005
SW006
CK001
CK002
CK003
CK004
CK005
CK006


P102B
8
7
6
5
ZJY-4P
F601
C675
2200p
C676
2200p
C673
470u/50V
C674
470u/50V
C671
470u/50V
C672
470u/50V
R656
470
R655
470
8
7
6
5
ZJY-4P
F602
JP1
SPEAKER

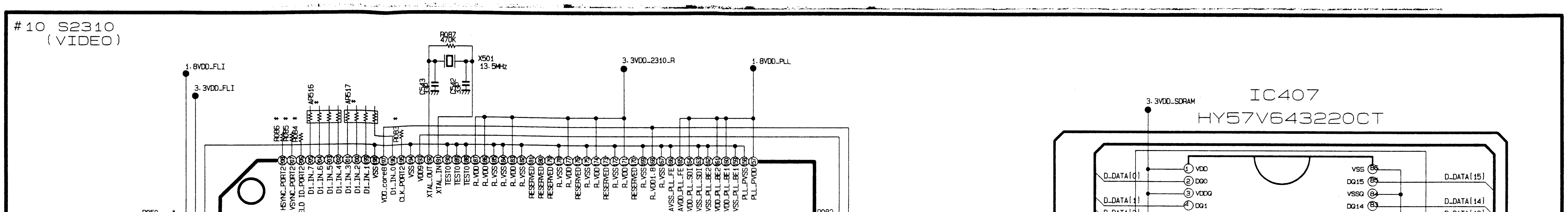
#8 3D_COMB


IC410
UPD64083
IC415
*LA7151M
IC411
IC412
IC413
K5202
K5225
5VDD_VPC2
5VDD_VPC
5VDD_123
3.3VDD_UPD
2.5VDD_UPDA
2.5VDD_UPDD
S_Y
S_C
CVBS1
PB_CVBS
CVBS2
CVBS_SW
CVBS_IN
UPD_Y0
UPD_C0
UPD_CSI
CNTL_SCL
CNTL_SDA
SW_RESET
FOR PIGGY 0->*
NONSTANDARD SIGNAL DETECTION
LD300 LED
X410 20MHZ
Q410 A1504
Q411 A1504
Q412 C3875
Q413 A1504
Q414 A1504
Q415 A1504
Q416 C3875
Q417 A1504
Q418 C3875
Q419 C3875
Q420 A1504
Q421 C3875
Q422 A1504
Q423 C3875
Q424 A1504
Q450
Q1473
L411 B-75
L412 B-75
L413 5.6UH

#9 VIDE

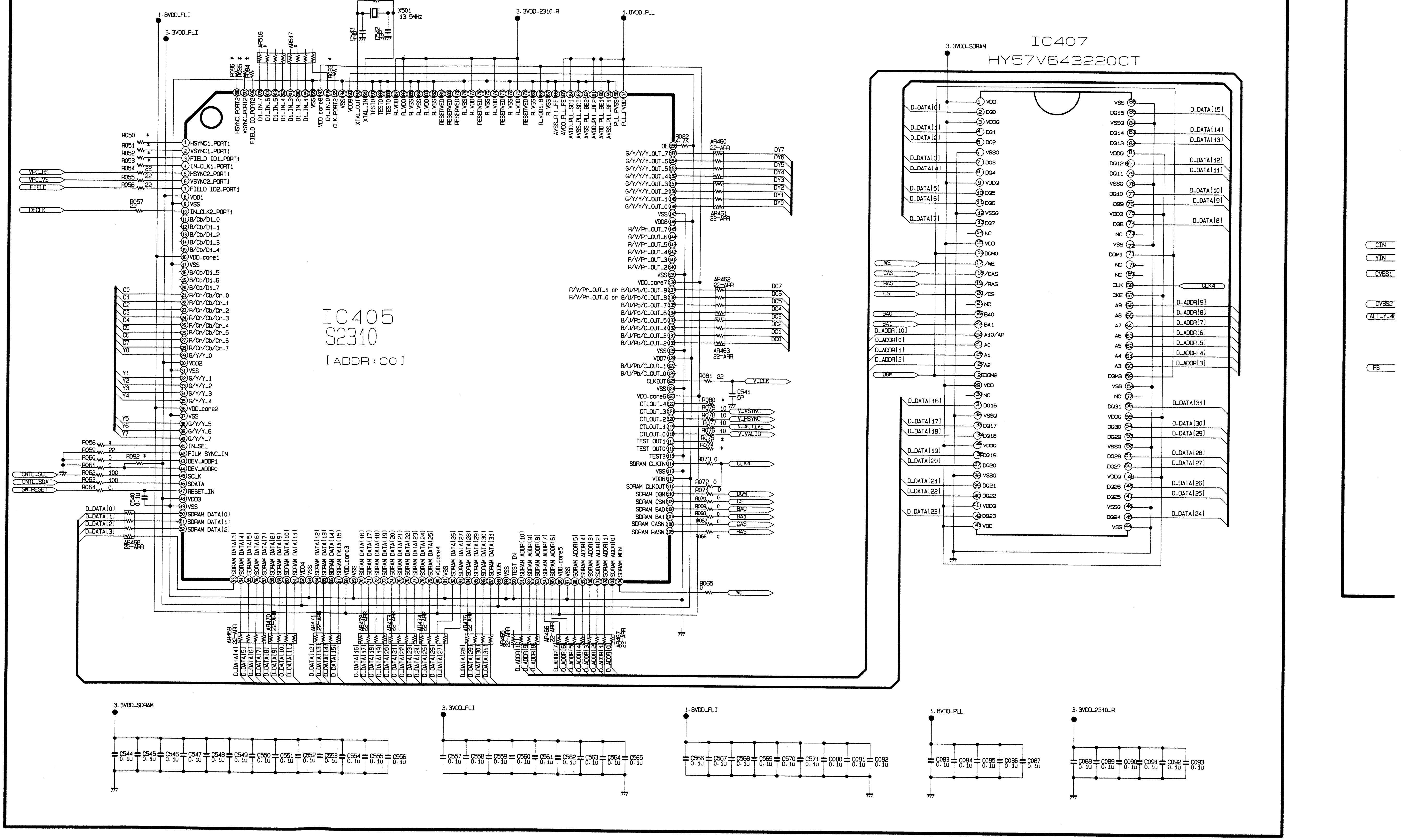

ALT_Y_IP
5VDD_12
R513 82
R514 560
R522 20K
C524 10/16

#10 S2310 (VIDEO)


1.8VDD_FLI
3.3VDD_FLI
3.3VDD_2310_R
1.8VDD_PLL
R087 470K
X501 13.5MHz
AR516
AR517
IC407
HY57V643220CT
3.3VDD_SDRAM
D_DATA[0]
D_DATA[1]
D_DATA[15]
D_DATA[14]
VDD
DQ0
VDDQ
DQ1
VSS
DQ15
VSSQ
DQ14

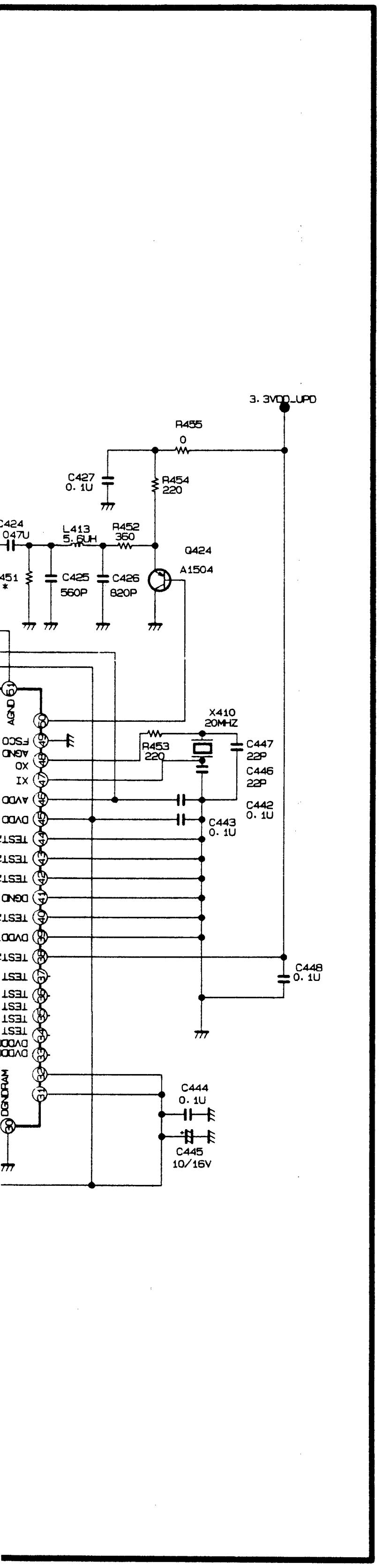
#5

#10 S2310
(VIDEO)

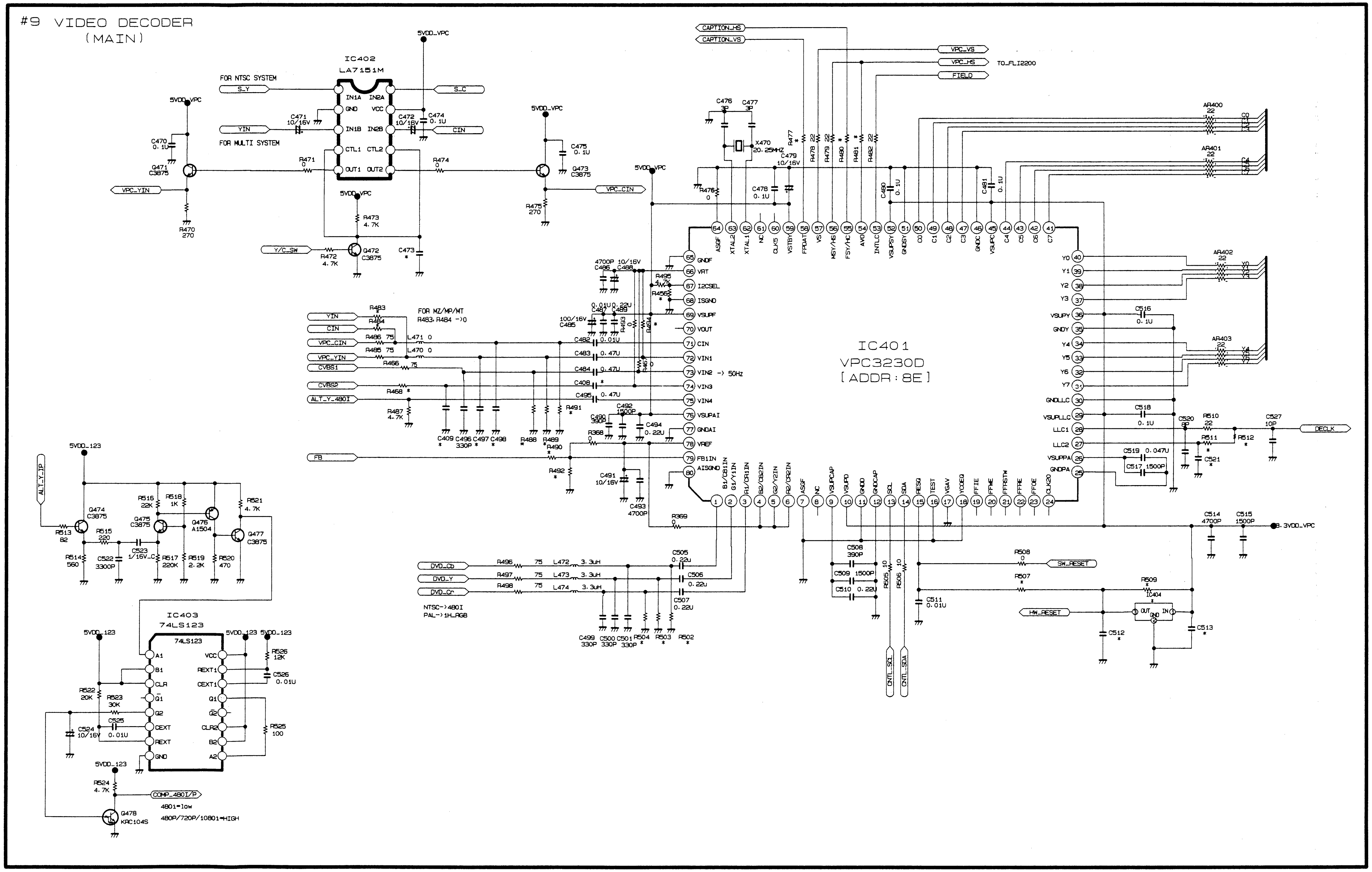


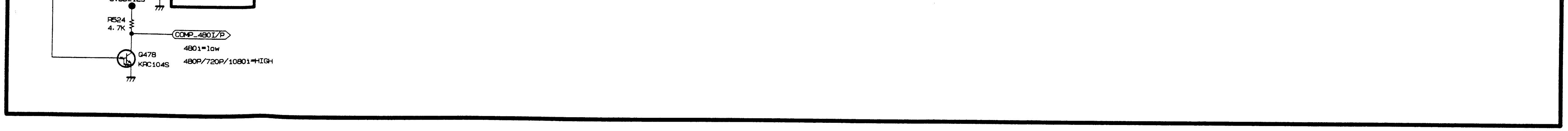
IC405
S2310
[ADDR:C0]
IC407
HY57V643220CT
#5
1.8VDD_FLI
3.3VDD_FLI
3.3VDD_2310_R
1.8VDD_PLL
3.3VDD_SDRAM
X501
13.5MHz
R087
470K
AR516
AR517
AR460
22-ARR
AR461
22-ARR
AR462
22-ARR
AR463
22-ARR
AR468
22-ARR
AR469
AR470
AR471
AR472
AR473
AR474
AR475
AR465
AR466
AR467
VPC_HS
VPC_VS
FIELD
DECLK
CNTL_SCL
CNTL_SDA
SW_RESET
HSYNC1_PORT1
VSYNC1_PORT1
FIELD ID1_PORT1
IN_CLK1_PORT1
HSYNC2_PORT1
VSYNC2_PORT1
FIELD ID2_PORT1
VDD1
VSS
IN_CLK2_PORT1
B/Cb/D1_0
B/Cb/D1_1
B/Cb/D1_2
B/Cb/D1_3
B/Cb/D1_4
VDD_core1
B/Cb/D1_5
B/Cb/D1_6
B/Cb/D1_7
R/Cr/Cb/Cr_0
R/Cr/Cb/Cr_1
R/Cr/Cb/Cr_2
R/Cr/Cb/Cr_3
R/Cr/Cb/Cr_4
R/Cr/Cb/Cr_5
R/Cr/Cb/Cr_6
R/Cr/Cb/Cr_7
G/Y/Y_0
VDD2
G/Y/Y_1
G/Y/Y_2
G/Y/Y_3
G/Y/Y_4
VDD_core2
G/Y/Y_5
G/Y/Y_6
G/Y/Y_7
IN_SEL
FILM SYNC_IN
DEV_ADDR1
DEV_ADDR0
SCLK
SDATA
RESET_IN
VDD3
SDRAM DATA(0)
SDRAM DATA(1)
SDRAM DATA(2)
OE
G/Y/Y/Y_OUT_7
G/Y/Y/Y_OUT_0
R/V/Pr_OUT_7
R/V/Pr_OUT_2
VDD_core7
R/V/Pr_OUT_1 or B/U/Pb/C_OUT_9
R/V/Pr_OUT_0 or B/U/Pb/C_OUT_8
B/U/Pb/C_OUT_7
B/U/Pb/C_OUT_0
CLKOUT
VDD_core6
CTLOUT_4
CTLOUT_3
CTLOUT_2
CTLOUT_1
CTLOUT_0
TEST OUT1
TEST OUT0
TEST3
SDRAM CLKIN
SDRAM CLKOUT
SDRAM DQM
SDRAM CSN
SDRAM BA0
SDRAM BA1
SDRAM CASN
SDRAM RASN
SDRAM WEN
DY7
DY6
DY5
DY4
DY3
DY2
DY1
DY0
DC7
DC6
DC5
DC4
DC3
DC2
DC1
DC0
Y_CLK
V_VSYNC
V_HSYNC
V_ACTIVE
V_VALID
CLK4
DQM
CS
BA0
BA1
CAS
RAS
WE
D_DATA[0]
D_DATA[31]
D_ADDR[0]
D_ADDR[10]
VDD
DQ0
VDDQ
VSSQ
/WE
/CAS
/RAS
/CS
BA0
BA1
A10/AP
DQM0
DQM1
DQM2
DQM3
CLK
CKE
VSS
CIN
YIN
CVBS1
CVBS2
ALT_Y_4
FB
C544
C565
C566
C082
C083
C087
C088
C093
0.1u

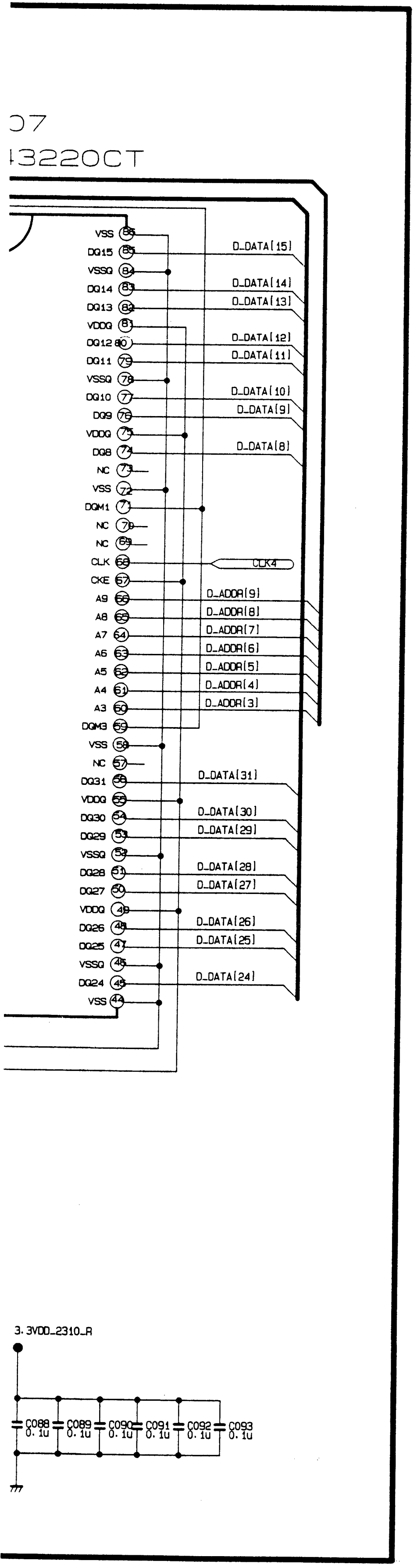
5


3.3VDD_UPD
R455
0
C427
0.1U
R454
220
C424
047U
L413
5.6UH
R452
360
Q424
A1504
C425
560P
C426
820P
X410
20MHZ
R453
220
C447
22P
C446
22P
C442
0.1U
C443
0.1U
C448
0.1U
C444
0.1U
C445
10/16V
AGND
FSCO
AGND
OX
IX
AVDD
DVDD
TEST
DGND
TEST
DVDD
DGNDRAM

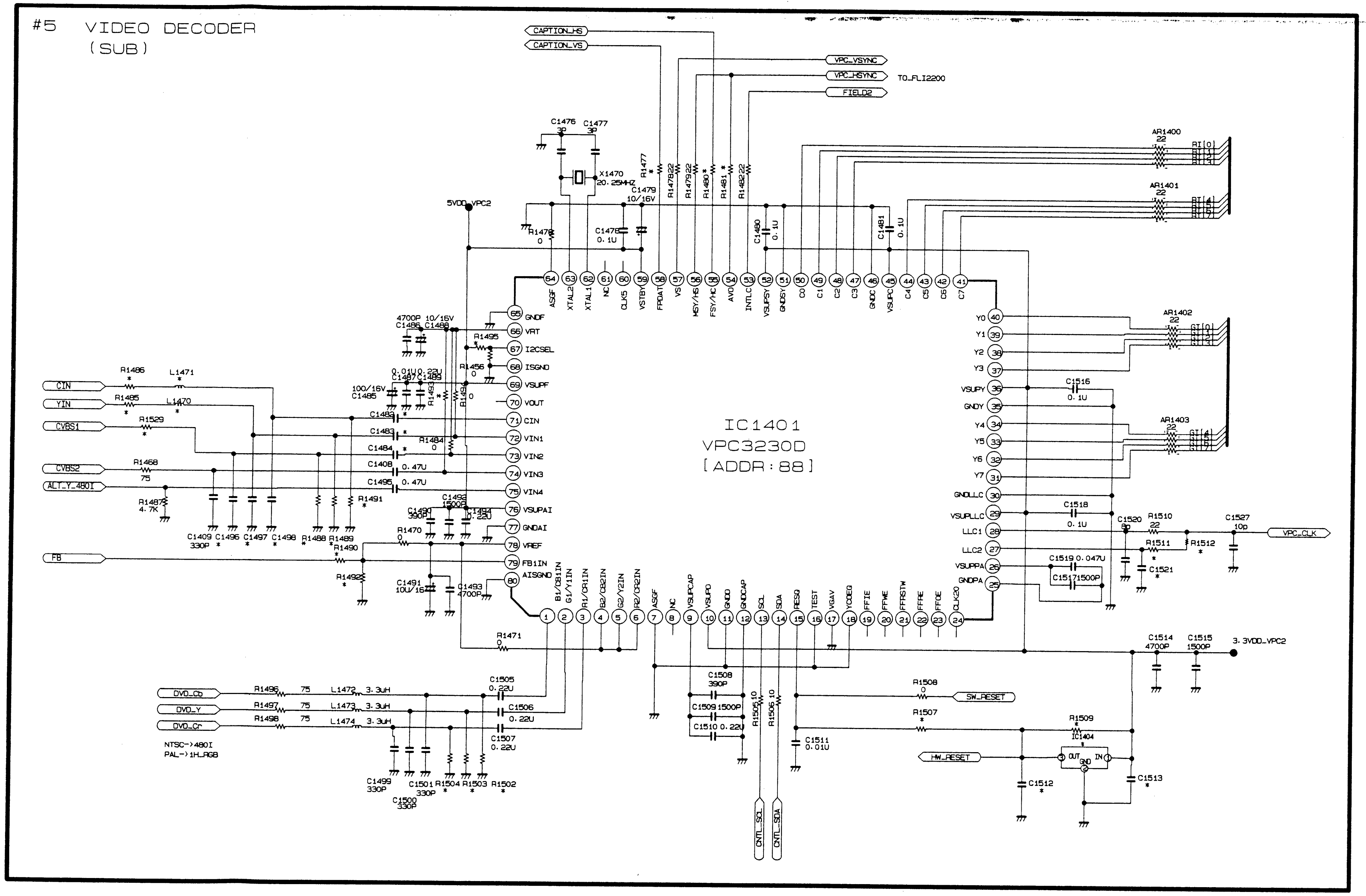
#9 VIDEO DECODER (MAIN)


IC402
LA7151M
FOR NTSC SYSTEM
S_Y
S_C
YIN
CIN
FOR MULTI SYSTEM
5VDD_VPC
IN1A
IN2A
GND
VCC
IN1B
IN2B
CTL1
CTL2
OUT1
OUT2
C470
0.1U
C471
10/16V
C472
10/16V
C474
0.1U
Q471
C3875
R471
0
R474
0
VPC_YIN
R470
270
R473
4.7K
Y/C_SW
R472
4.7K
Q472
C3875
C473
*
C475
0.1U
Q473
C3875
VPC_CIN
R475
270
CAPTION_HS
CAPTION_VS
VPC_VS
VPC_HS
FIELD
TO_FLI2200
C476
3P
C477
3P
X470
20.25MHZ
C479
10/16V
R476
0
C478
0.1U
R477
R478 22
R479 22
R480
R481
R482 22
C480
0.1U
C481
0.1U
AR400
22
AR401
22
AR402
22
AR403
22
C0
C1
C2
C3
C4
C5
C6
C7
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
IC401
VPC3230D
[ADDR:8E]
ASGF
XTAL2
XTAL1
NC
CLK5
VSTBY
FPDAT
VS
MSY/HS
FSY/HC
AVO
INTLC
VSUPSY
GNDSY
C0
C1
C2
C3
GNDC
VSUPC
C4
C5
C6
C7
GNDF
VRT
I2CSEL
ISGND
VSUPF
VOUT
CIN
VIN1
VIN2 -> 50Hz
VIN3
VIN4
VSUPAI
GNDAI
VREF
FB1IN
AISGND
Y0
Y1
Y2
Y3
VSUPY
GNDY
Y4
Y5
Y6
Y7
GNDLLC
VSUPLLC
LLC1
LLC2
VSUPPA
GNDPA
B1/CB1IN
G1/Y1IN
R1/CR1IN
B2/CB2IN
G2/Y2IN
R2/CR2IN
ASGF
NC
VSUPCAP
VSUPD
GNDD
GNDCAP
SCL
SDA
RESQ
TEST
VGAV
YCOEQ
FFIE
FFWE
FFRSTW
FFRE
FFOE
CLK20
4700P 10/16V
C486 C488
R495
4.7K
R456
*
0.01U 0.22U
C487 C489
100/16V
C485
R493
R494
C482 0.01U
C483 0.47U
C484 0.47U
C408 *
C495 0.47U
C492
1500P
C490
390P
C494
0.22U
R368
0
YIN
CIN
VPC_CIN
VPC_YIN
CVBS1
CVBS2
ALT_Y_480I
FB
R483
R484
R486 75
R485 75
R466 75
R468 *
R487
4.7K
L471 0
L470 0
FOR MZ/MP/MT
R483.R484 ->0
C409 *
C496 330P
C497 *
C498 *
R488 *
R489 *
R490 *
R491 *
R492 *
C491
10/16V
C493
4700P
R369
0
C516
0.1U
C518
0.1U
C520
8P
R510
22
R511
*
R512
*
C521
*
C527
10P
DECLK
C519 0.047U
C517 1500P
C514
4700P
C515
1500P
3.3VDD_VPC
C508
390P
C509 1500P
C510 0.22U
R505 10
R506 10
C511
0.01U
R508
0
SW_RESET
R507
*
R509
*
IC404
*
OUT
GND
IN
HW_RESET
C512
*
C513
*
CNTL_SCL
CNTL_SDA
DVD_Cb
DVD_Y
DVD_Cr
R496 75
R497 75
R498 75
L472 3.3uH
L473 3.3uH
L474 3.3uH
C505
0.22u
C506
0.22u
C507
0.22U
C499 330P
C500 330P
C501 330P
R504 *
R503 *
R502 *
NTSC->480I
PAL->1H_RGB
ALT_Y_IP
5VDD_123
Q474
C3875
R513
82
R514
560
R515
220
C522
3300P
C523
1/16V_C
R516
22K
R518
1K
Q475
C3875
Q476
A1504
R517
220K
R519
2.2K
R520
470
R521
4.7K
Q477
C3875
IC403
74LS123
A1
B1
CLR
Q1
Q2
CEXT
REXT
GND
VCC
REXT1
CEXT1
CLR2
B2
A2
R526
12K
C526
0.01U
R525
100
R522
20K
R523
30K
C524
10/16V
C525
0.01U
R524
4.7K
COMP_480I/P
480I=low
480P/720P/1080I=HIGH
Q478
KRC104S

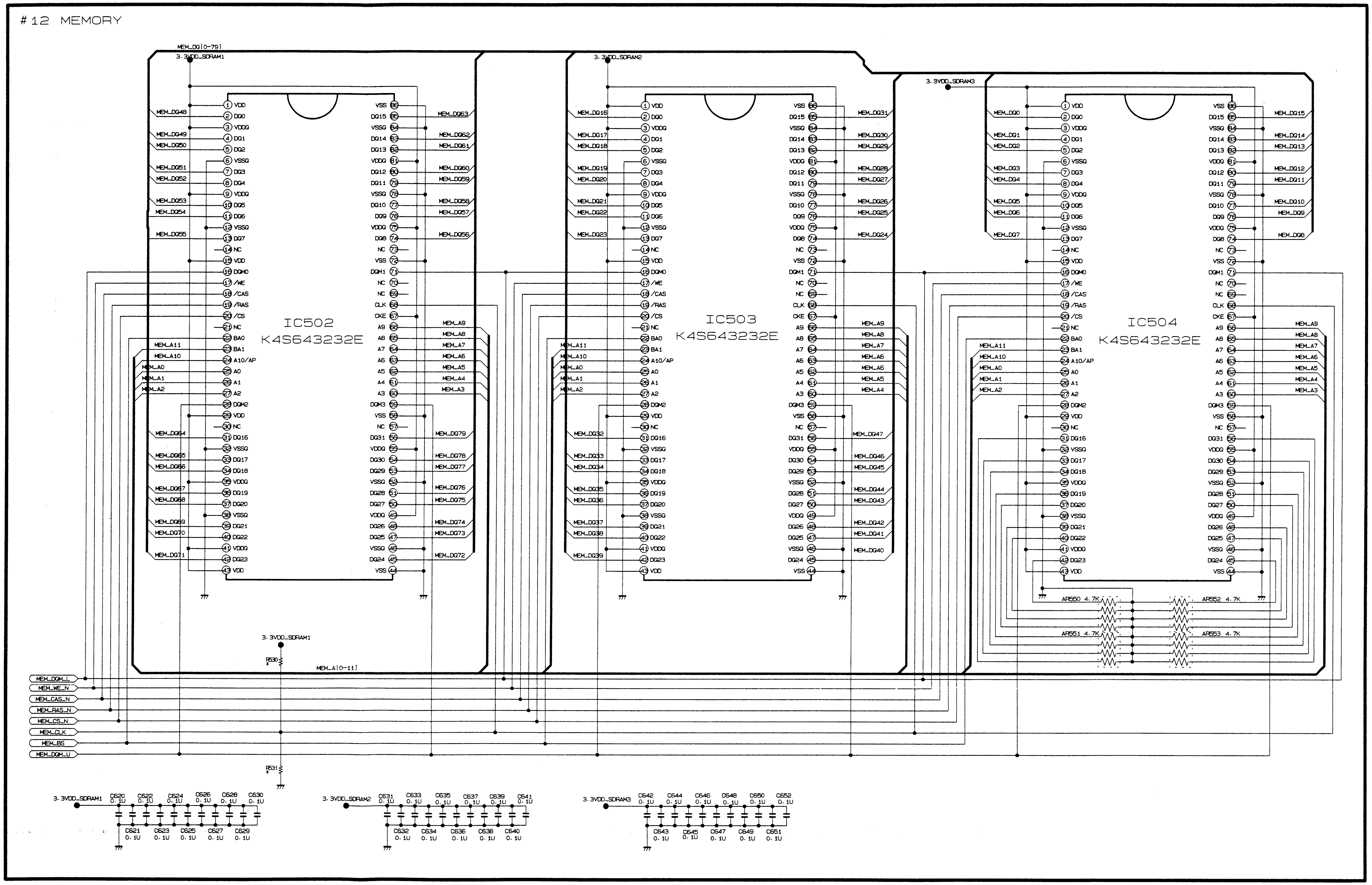

R524
4.7K
COMP_480I/P
Q478
KRC104S
480I=low
480P/720P/1080I=HIGH


07
43220CT
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VDDQ
DQ8
NC
VSS
DQM1
NC
NC
CLK
CKE
A9
A8
A7
A6
A5
A4
A3
DQM3
VSS
NC
DQ31
VDDQ
DQ30
DQ29
VSSQ
DQ28
DQ27
VDDQ
DQ26
DQ25
VSSQ
DQ24
VSS
D_DATA[15]
D_DATA[14]
D_DATA[13]
D_DATA[12]
D_DATA[11]
D_DATA[10]
D_DATA[9]
D_DATA[8]
CLK4
D_ADDR[9]
D_ADDR[8]
D_ADDR[7]
D_ADDR[6]
D_ADDR[5]
D_ADDR[4]
D_ADDR[3]
D_DATA[31]
D_DATA[30]
D_DATA[29]
D_DATA[28]
D_DATA[27]
D_DATA[26]
D_DATA[25]
D_DATA[24]
3.3VDD_2310_R
C088 0.1U
C089 0.1U
C090 0.1U
C091 0.1U
C092 0.1U
C093 0.1U

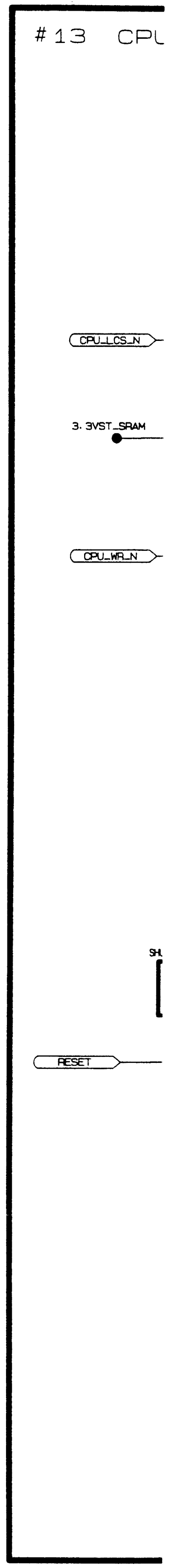
#5 VIDEO DECODER (SUB)


IC1401
VPC3230D
[ADDR:88]
CAPTION_HS
CAPTION_VS
VPC_VSYNC
VPC_HSYNC
TO_FLI2200
FIELD2
C1476 3P
C1477 3P
X1470 20.25MHZ
C1479 10/16V
R1477
R1478
R1479 22
R1480
R1481
R1482 22
5VDD_VPC2
R1478 0
C1478 0.1U
C1480 0.1U
C1481 0.1U
AR1400 22
AR1401 22
AR1402 22
AR1403 22
ASGF
XTAL2
XTAL1
NC
CLK5
VSTBY
FPDAT
VS
MSY/HS
FSY/HC
AVO
INTLC
VSUPSY
GNDSY
C0
C1
C2
C3
GNDC
VSUPC
C4
C5
C6
C7
GNDF
VRT
I2CSEL
ISGND
VSUPF
VOUT
CIN
VIN1
VIN2
VIN3
VIN4
VSUPAI
GNDAI
VREF
FB1IN
AISGND
Y0
Y1
Y2
Y3
VSUPY
GNDY
Y4
Y5
Y6
Y7
GNDLLC
VSUPLLC
LLC1
LLC2
VSUPPA
GNDPA
B1/CB1IN
G1/Y1IN
R1/CR1IN
B2/CB2IN
G2/Y2IN
R2/CR2IN
ASGF
NC
VSUPCAP
VSUPD
GNDD
GNDCAP
SCL
SDA
RESQ
TEST
VGAV
YCOEQ
FFIE
FFWE
FFRSTW
FFRE
FFOE
CLK20
C1486 4700P
C1488 10/16V
R1495
R1456 0
C1487 0.01U
C1489 0.22U
C1485 100/16V
CIN
YIN
CVBS1
CVBS2
ALT_Y_480I
FB
R1486
L1471
R1485
L1470
R1529
R1468 75
R1487 4.7K
C1482
C1483
C1484
C1408 0.47U
C1495 0.47U
R1484 0
R1491
C1409 330P
C1496
C1497
C1498
R1488
R1489
R1490
R1470 0
C1490 390P
C1492 1500P
C1494 0.22U
R1492
C1491 10U/16
C1493 4700P
R1471 0
C1516 0.1U
C1518 0.1U
C1520 8p
R1510 22
R1511
R1512
C1527 10p
VPC_CLK
C1521
C1519 0.047U
C1517 1500P
C1514 4700P
C1515 1500P
3.3VDD_VPC2
DVD_Cb
DVD_Y
DVD_Cr
R1496 75
R1497 75
R1498 75
L1472 3.3uH
L1473 3.3uH
L1474 3.3uH
C1505 0.22U
C1506 0.22U
C1507 0.22U
NTSC->480I
PAL->1H_RGB
C1499 330P
C1500 330P
C1501 330P
R1504
R1503
R1502
C1508 390P
C1509 1500P
C1510 0.22U
R1505 10
R1506 10
C1511 0.01U
R1508 0
SW_RESET
R1507
R1509
IC1404
OUT
GND
IN
HW_RESET
C1512
C1513
CNTL_SCL
CNTL_SDA

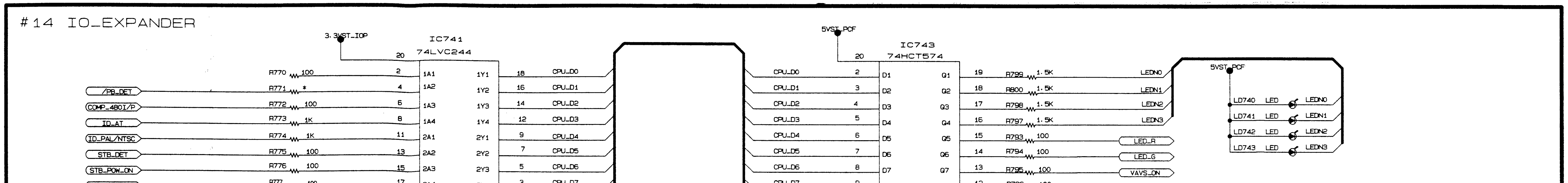
#12 MEMORY


MEM_DQ[0-79]
3.3VDD_SDRAM1
3.3VDD_SDRAM2
3.3VDD_SDRAM3
IC502
K4S643232E
IC503
K4S643232E
IC504
K4S643232E
AR550 4.7K
AR551 4.7K
AR552 4.7K
AR553 4.7K
R530
R531
MEM_A[0-11]
MEM_DQM_L
MEM_WE_N
MEM_CAS_N
MEM_RAS_N
MEM_CS_N
MEM_CLK
MEM_BS
MEM_DQM_U
C620 0.1U
C621 0.1U
C622 0.1U
C623 0.1U
C624 0.1U
C625 0.1U
C626 0.1U
C627 0.1U
C628 0.1U
C629 0.1U
C630 0.1U
C631 0.1U
C632 0.1U
C633 0.1U
C634 0.1U
C635 0.1U
C636 0.1U
C637 0.1U
C638 0.1U
C639 0.1U
C640 0.1U
C641 0.1U
C642 0.1U
C643 0.1U
C644 0.1U
C645 0.1U
C646 0.1U
C647 0.1U
C648 0.1U
C649 0.1U
C650 0.1U
C651 0.1U
C652 0.1U

#13 CPU

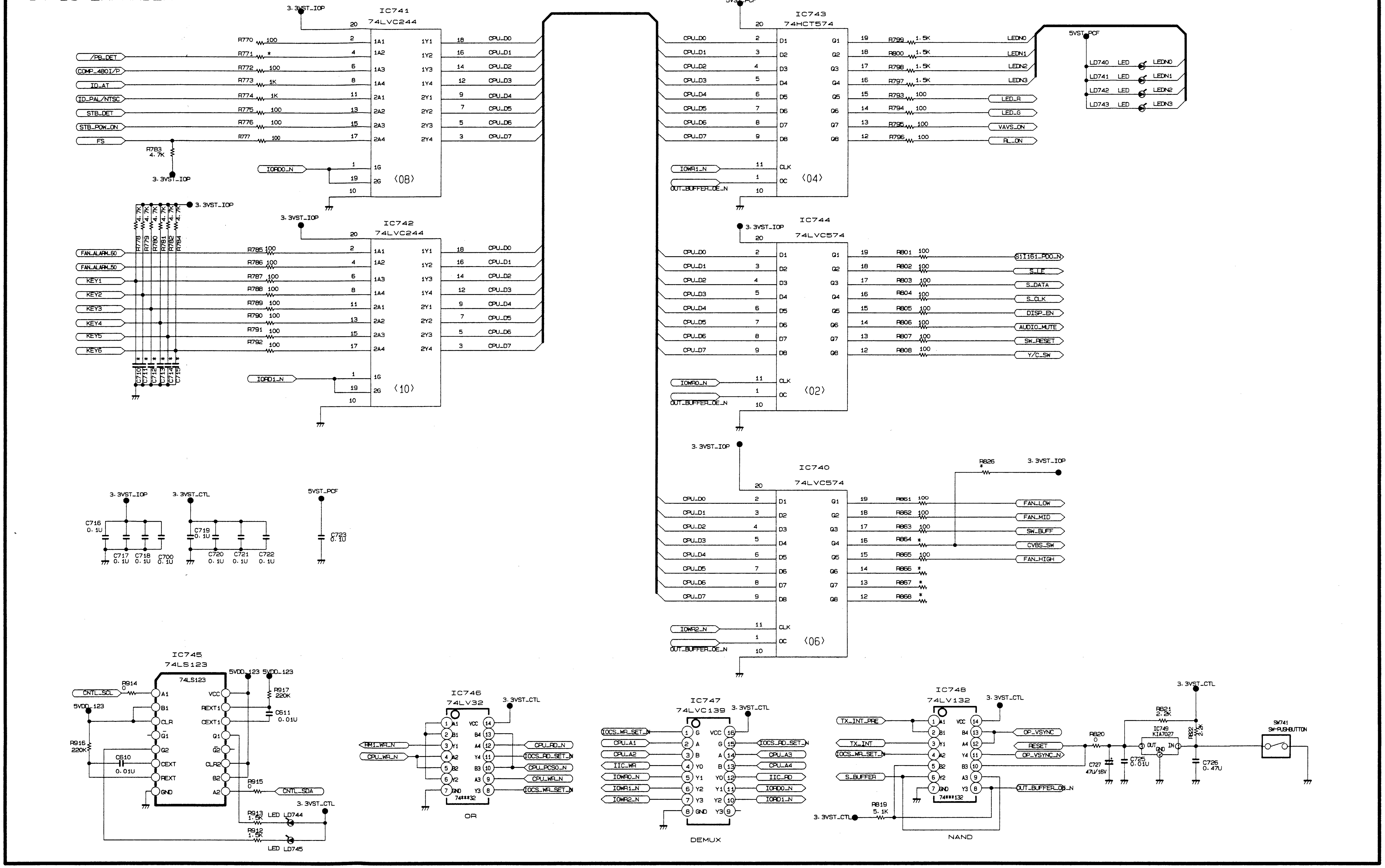

CPU_LCS_N
3.3VST_SRAM
CPU_WR_N
RESET

#14 IO_EXPANDER

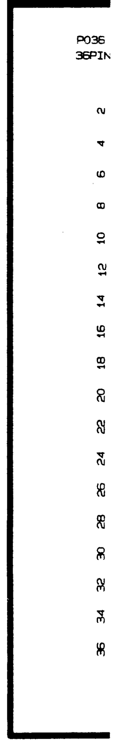

3.3VST_IOP
IC741
74LVC244
5VST_PCF
IC743
74HCT574
/PB_DET
COMP_480I/P
ID_AT
ID_PAL/NTSC
STB_DET
STB_POW_ON
R770 100
R771 *
R772 100
R773 1K
R774 1K
R775 100
R776 100
CPU_D0
CPU_D1
CPU_D2
CPU_D3
CPU_D4
CPU_D5
CPU_D6
R799 1.5K
R800 1.5K
R798 1.5K
R797 1.5K
R793 100
R794 100
R795 100
LEDN0
LEDN1
LEDN2
LEDN3
LED_R
LED_G
VAVS_ON
LD740 LED
LD741 LED
LD742 LED
LD743 LED

#15

#14 IO_EXPANDER



IC741
74LVC244
IC742
74LVC244
IC743
74HCT574
IC744
74LVC574
IC740
74LVC574
IC745
74LS123
IC746
74LV32
OR
IC747
74LVC139
DEMUX
IC748
74LV132
NAND
IC749
KIA7027
SW741
SW-PUSHBUTTON
3.3VST_IOP
3.3VST_CTL
5VST_PCF
5VDD_123
/PB_DET
COMP_480I/P
ID_AT
ID_PAL/NTSC
STB_DET
STB_POW_ON
FS
FAN_ALARM_60
FAN_ALARM_50
KEY1
KEY2
KEY3
KEY4
KEY5
KEY6
IORD0_N
IORD1_N
IOWR1_N
IOWR0_N
IOWR2_N
OUT_BUFFER_OE_N
CPU_D0
CPU_D1
CPU_D2
CPU_D3
CPU_D4
CPU_D5
CPU_D6
CPU_D7
LEDN0
LEDN1
LEDN2
LEDN3
LED_R
LED_G
VAVS_ON
RL_ON
LD740 LED
LD741 LED
LD742 LED
LD743 LED
SI1161_PDO_N
S_LE
S_DATA
S_CLK
DISP_EN
AUDIO_MUTE
SW_RESET
Y/C_SW
FAN_LOW
FAN_MID
SW_BUFF
CVBS_SW
FAN_HIGH
CNTL_SCL
CNTL_SDA
LD744
LD745
HM1_WR_N
CPU_WR_N
CPU_RD_N
IOCS_RD_SET_N
CPU_PCS0_N
CPU_WR_N
IOCS_WR_SET_N
CPU_A1
CPU_A2
IIC_WR
CPU_A3
CPU_A4
IIC_RD
TX_INT_PRE
TX_INT
S_BUFFER
OP_VSYNC
RESET
OP_VSYNC_N
(08)
(10)
(04)
(02)
(06)



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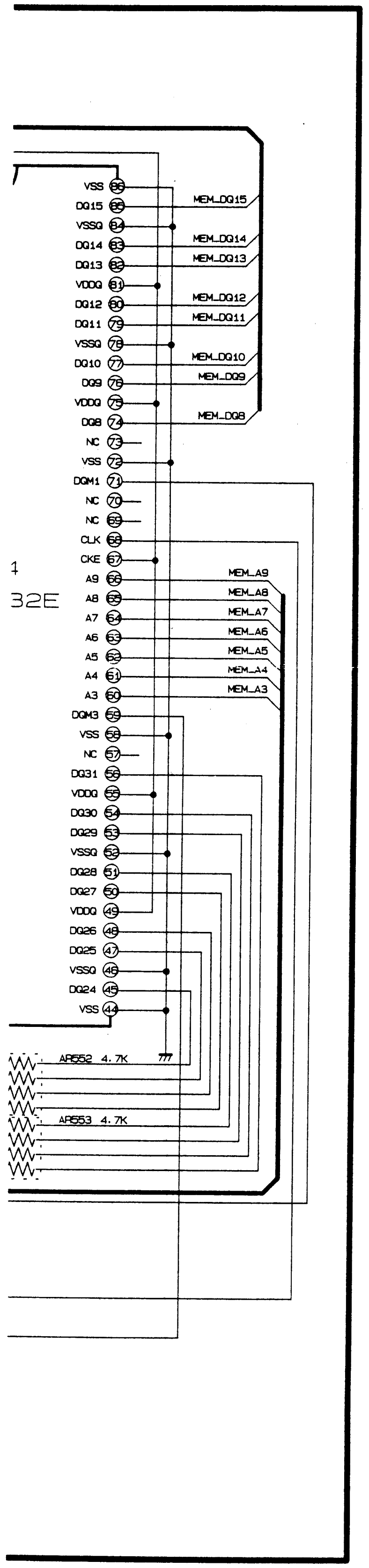
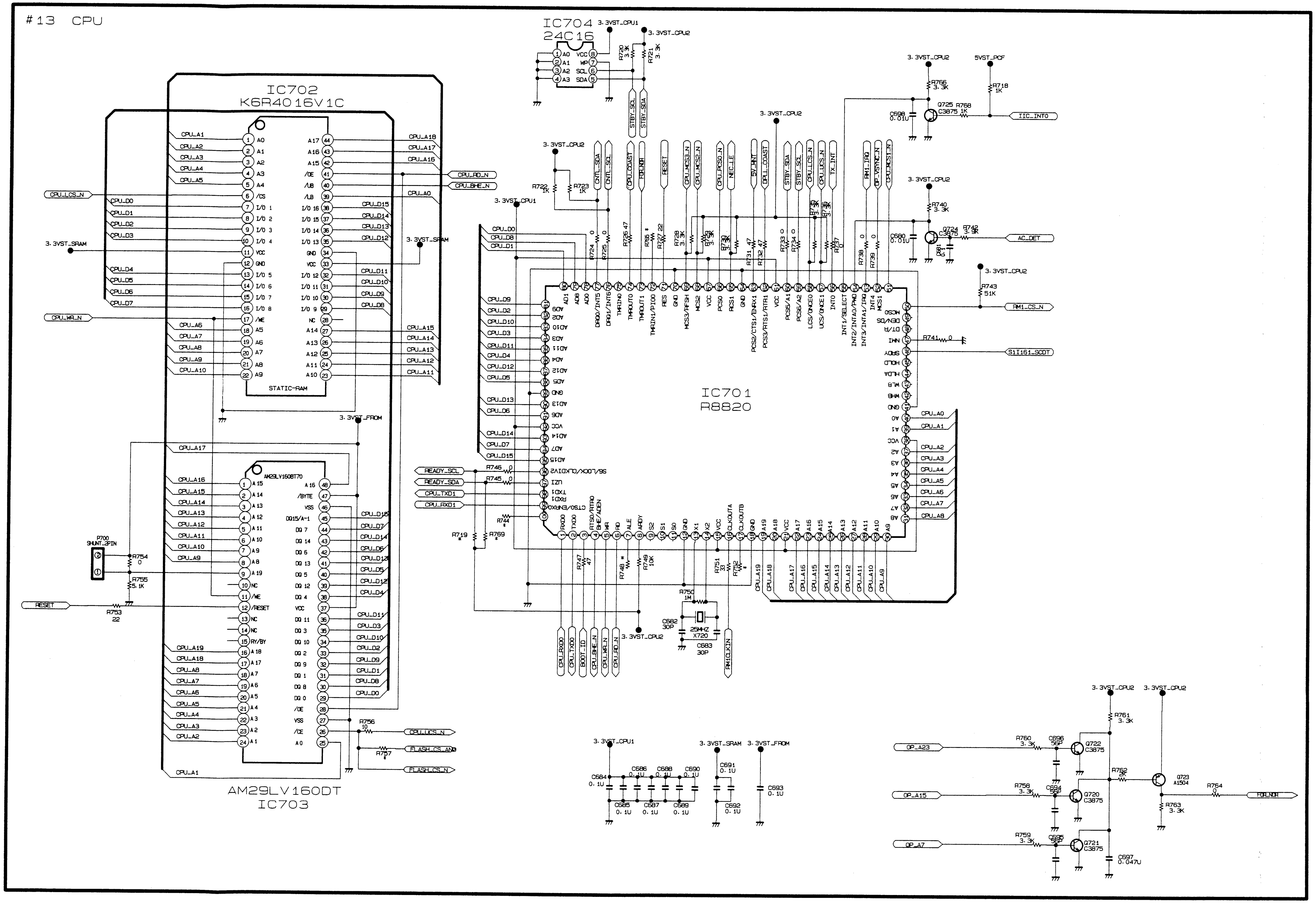
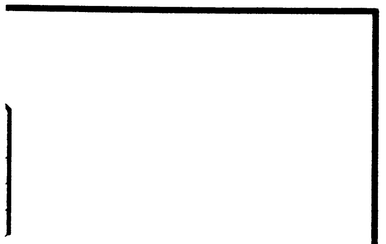


32E
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VDDQ
DQ8
NC
VSS
DQM1
NC
NC
CLK
CKE
A9
A8
A7
A6
A5
A4
A3
DQM3
VSS
NC
DQ31
VDDQ
DQ30
DQ29
VSSQ
DQ28
DQ27
VDDQ
DQ26
DQ25
VSSQ
DQ24
VSS
MEM_DQ15
MEM_DQ14
MEM_DQ13
MEM_DQ12
MEM_DQ11
MEM_DQ10
MEM_DQ9
MEM_DQ8
MEM_A9
MEM_A8
MEM_A7
MEM_A6
MEM_A5
MEM_A4
MEM_A3
AR552 4.7K
AR553 4.7K

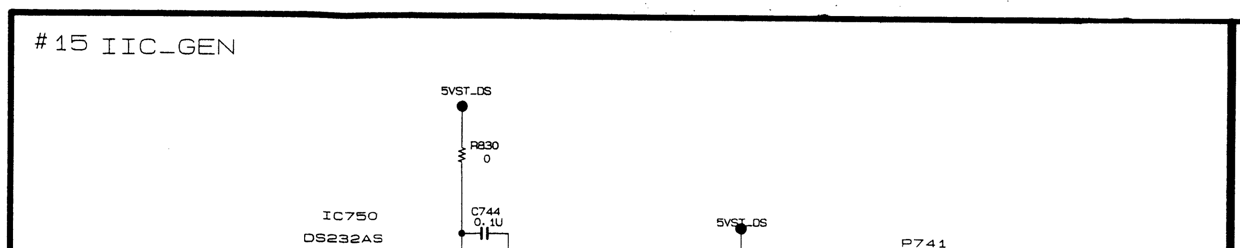
#13 CPU



IC704
24C16
A0
A1
A2
A3
VCC
WP
SCL
SDA
3.3VST_CPU1
3.3VST_CPU2
R720 3.3K
R721 3.3K
STBY_SCL
STBY_SDA
IC702
K6R4016V1C
STATIC-RAM
CPU_LCS_N
CPU_WR_N
3.3VST_SRAM
CPU_RD_N
CPU_BHE_N
CPU_A0
IC701
R8820
READY_SCL
READY_SDA
CPU_TXD1
CPU_RXD1
RM1_CS_N
S1I161_SCDT
IIC_INTO
AC_DET
Q725 C3875
Q724 C3875
R766 3.3K
R718 1K
R740 3.3K
R743 51K
R741 0
5VST_PCF
CNTL_SDA
CNTL_SCL
CPU_COAST
FOR_NOR
RESET
CPU_MCS3_N
CPU_MCS2_N
CPU_PCS0_N
NEC_LE
SIL_INT
DPL_COAST
STBY_SDA
STBY_SCL
CPU_LCS_N
CPU_UCS_N
TX_INT
RM1_IRQ
DP_VSYNC_N
DP_HOST_N
3.3VST_FROM
AM29LV160BT70
AM29LV160DT
IC703
P700 SHUNT_2PIN
R754 0
R755 5.1K
R753 22
CPU_UCS_N
FLASH_CS_AND
FLASH_CS_N
R756 10
R757
CPU_RXD0
CPU_TXD0
BOOT_ID
CPU_BHE_N
CPU_WR_N
CPU_RD_N
RM161CLKIN
C682 30P
C683 30P
25MHZ X720
R750 1M
C684 0.1U
C685 0.1U
C686 0.1U
C687 0.1U
C688 0.1U
C689 0.1U
C690 0.1U
C691 0.1U
C692 0.1U
C693 0.1U
OP_A23
OP_A15
OP_A7
Q722 C3875
Q720 C3875
Q721 C3875
Q723 A1504
R761 3.3K
R760 3.3K
R758 3.3K
R759 3.3K
R762 2K
R763 3.3K
R764 0
C696 56P
C694 56P
C695 56P
C697 0.047U
FOR_NOR

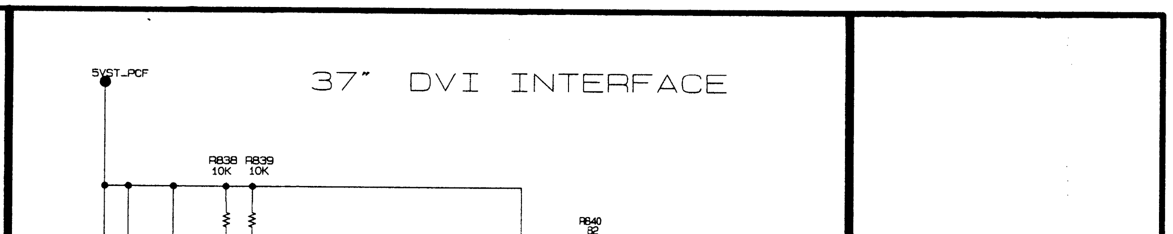


#15 IIC_GEN

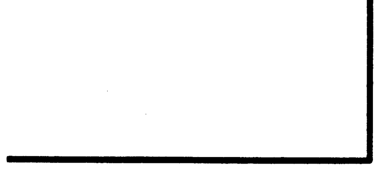


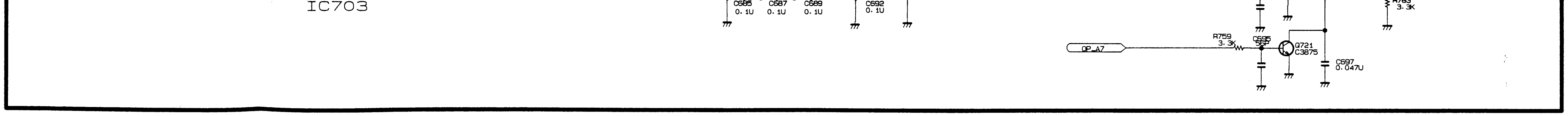
5VST_DS
R830 0
IC750
DS232AS
C744 0.1U
P741

37" DVI INTERFACE

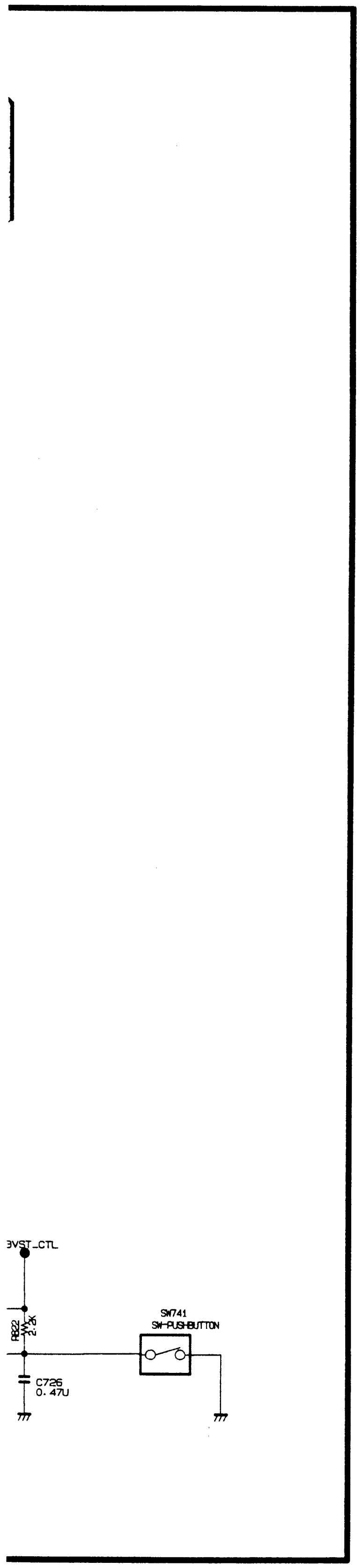


5VST_PCF
R838 10K
R839 10K
R840 82

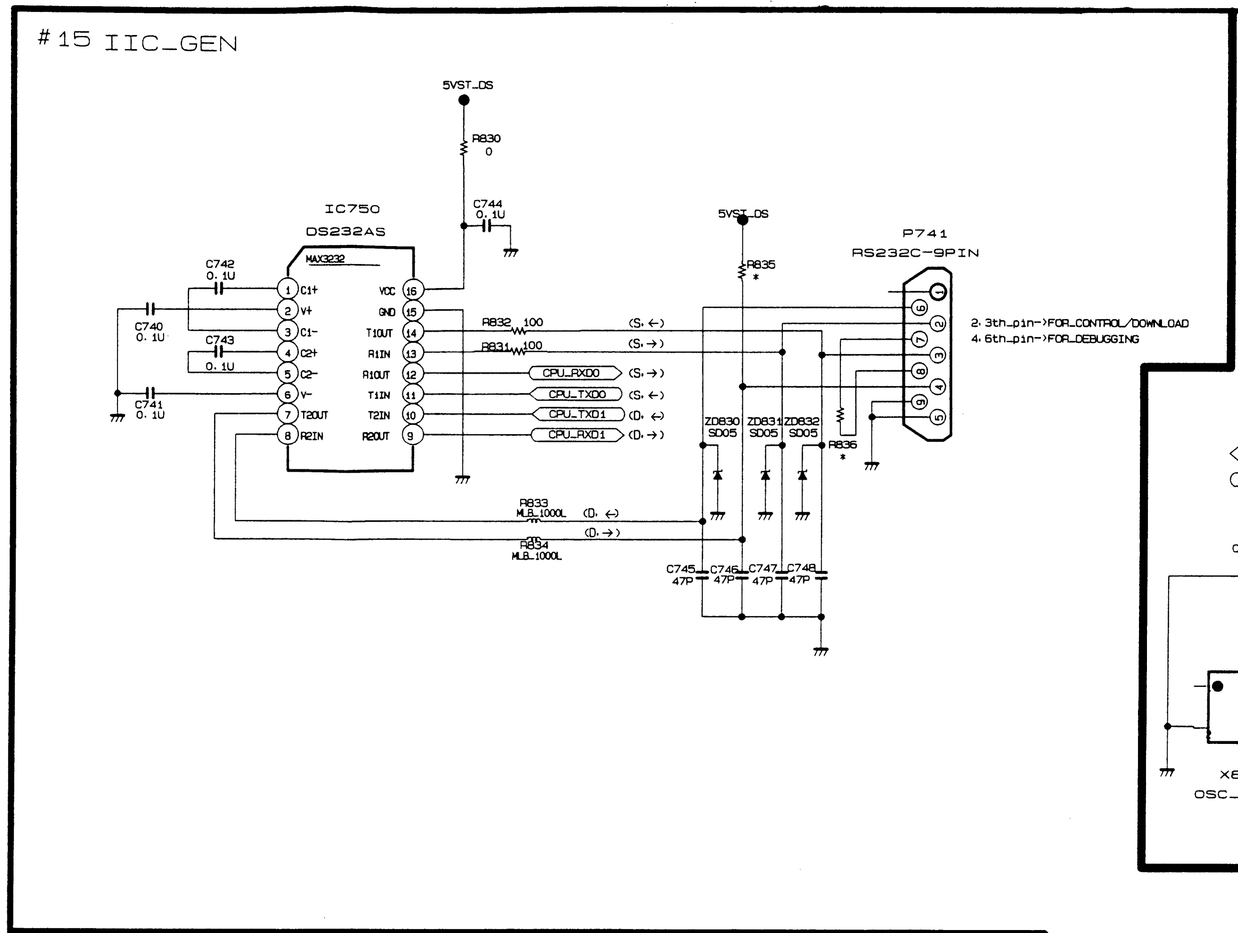




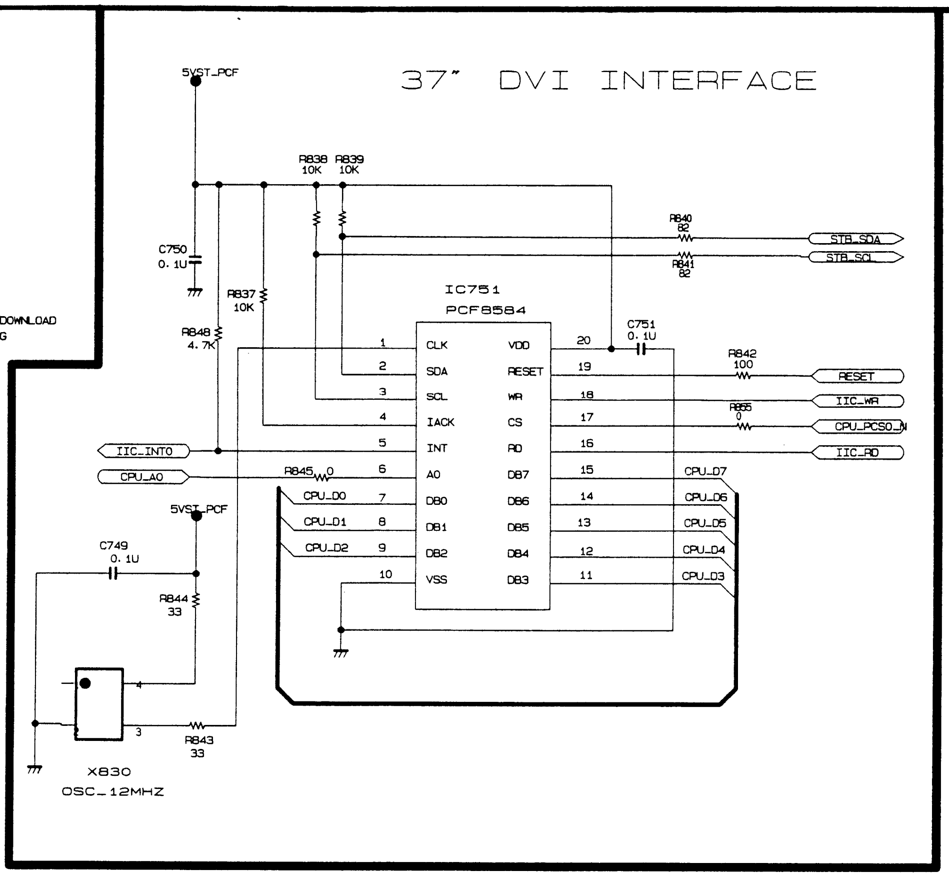
IC703
C685 0.1U
C687 0.1U
C689 0.1U
C692 0.1U
R763 3.3K
OP_A7
R759 3.3K
C695
Q721 C3875
C697 0.047U



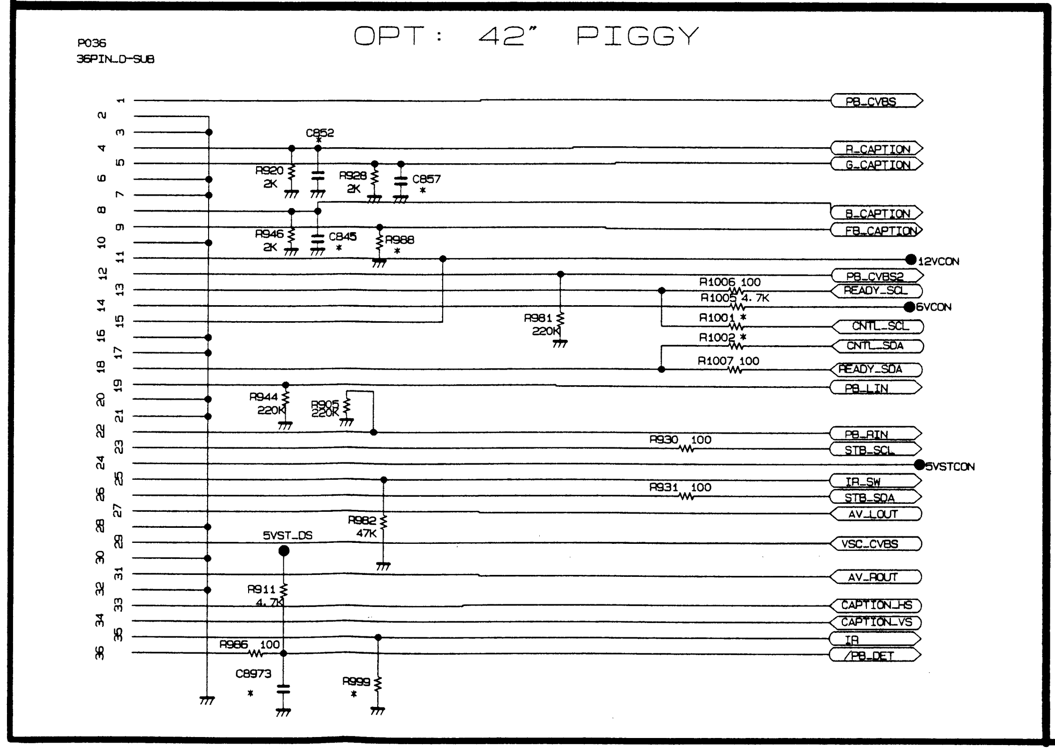
3VST_CTL
R822
C726 0.47U
SW741 SW-PUSHBUTTON



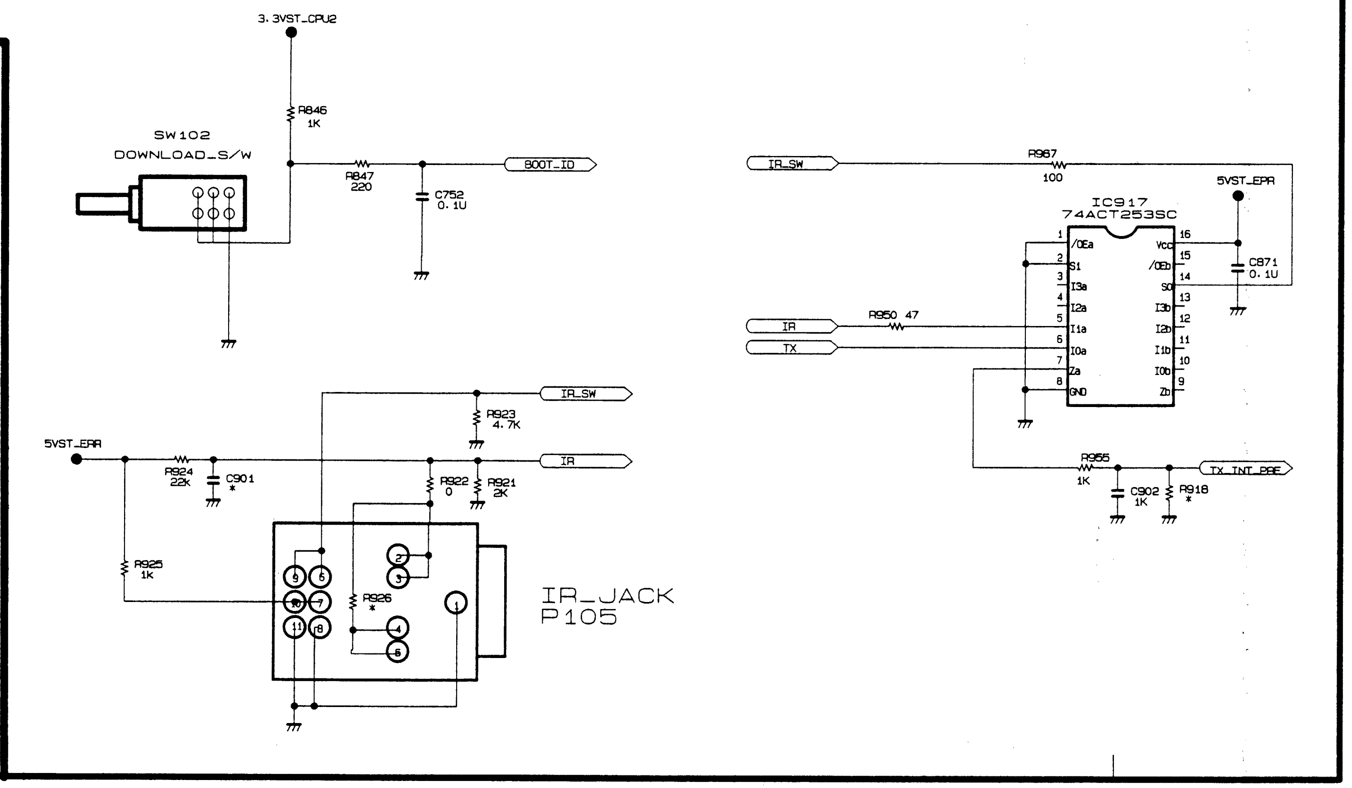
#15 IIC_GEN
5VST_DS
R830 0
C744 0.1U
IC750
DS232AS
MAX3232
C742 0.1U
C740 0.1U
C743 0.1U
C741 0.1U
C1+
V+
C1-
C2+
C2-
V-
T2OUT
R2IN
VCC
GND
T1OUT
R1IN
R1OUT
T1IN
T2IN
R2OUT
R832 100
R831 100
CPU_RXD0
CPU_TXD0
CPU_TXD1
CPU_RXD1
(S.←)
(S.→)
(D.←)
(D.→)
R833 MLB_1000L
R834 MLB_1000L
5VST_DS
R835 *
P741
RS232C-9PIN
2.3th_pin->FOR_CONTROL/DOWNLOAD
4.6th_pin->FOR_DEBUGGING
ZD830 SD05
ZD831 SD05
ZD832 SD05
R836 *
C745 47P
C746 47P
C747 47P
C748 47P



37" DVI INTERFACE
5VST_PCF
R838 10K
R839 10K
C750 0.1U
R840 82
R841 82
STB_SDA
STB_SCL
R837 10K
R848 4.7K
IC751
PCF8584
CLK
SDA
SCL
IACK
INT
A0
DB0
DB1
DB2
VSS
VDD
RESET
WR
CS
RD
DB7
DB6
DB5
DB4
DB3
C751 0.1U
R842 100
RESET
IIC_WR
R865 0
CPU_PCS0_N
IIC_RD
IIC_INT0
CPU_A0
R845 0
CPU_D0
CPU_D1
CPU_D2
CPU_D7
CPU_D6
CPU_D5
CPU_D4
CPU_D3
5VST_PCF
C749 0.1U
R844 33
R843 33
X830
OSC_12MHZ

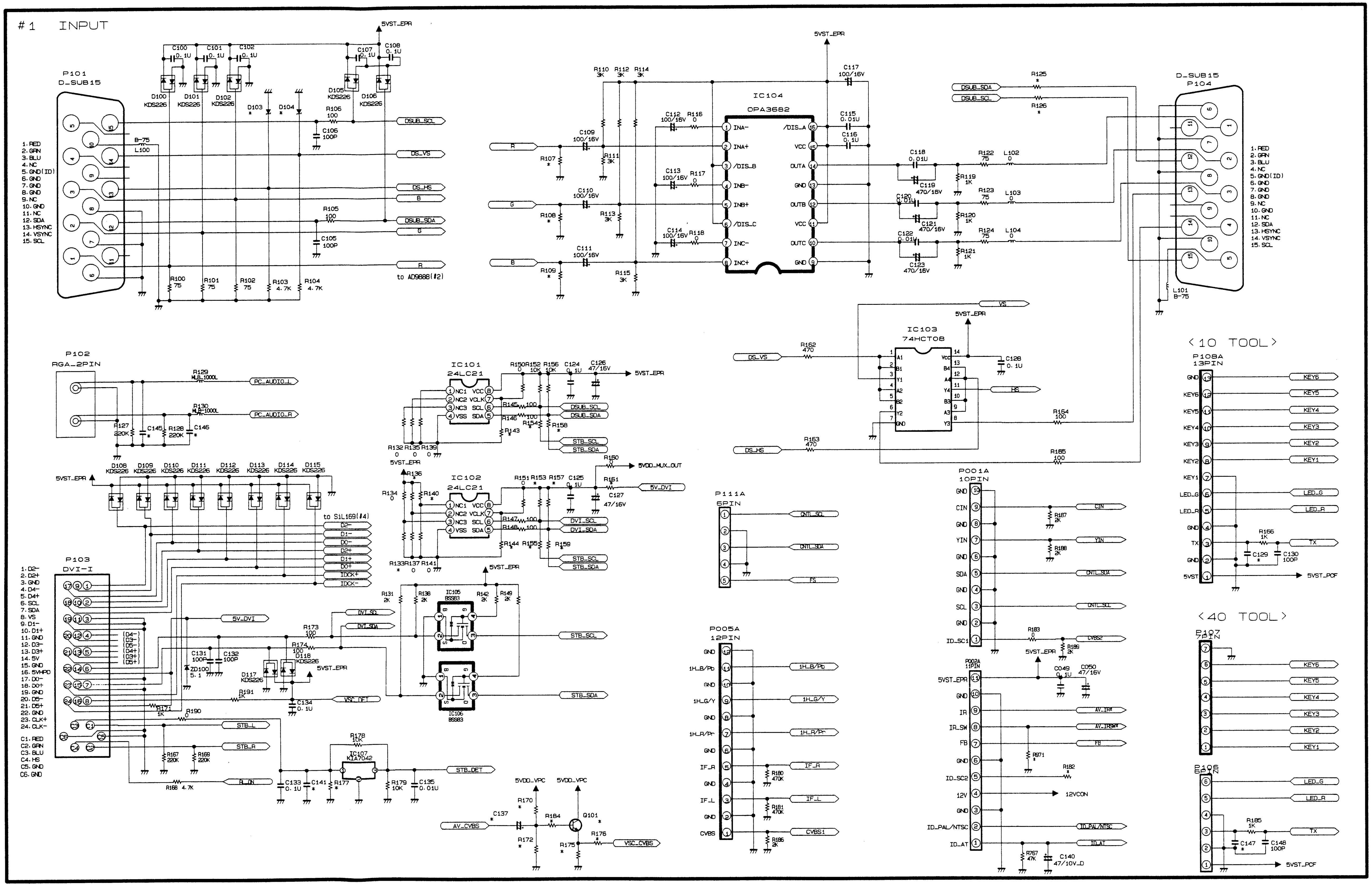


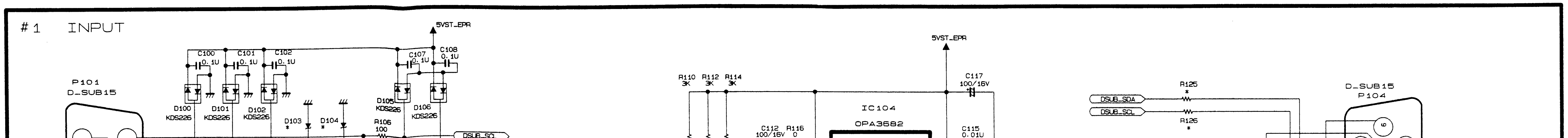
OPT: 42" PIGGY
P036
36PIN_D-SUB
PB_CVBS
R_CAPTION
G_CAPTION
B_CAPTION
FB_CAPTION
C852
R920 2K
R928 2K
C857 *
R946 2K
C845 *
R988 *
12VCON
R1006 100
R1005 4.7K
R1001 *
R1002 *
R1007 100
R981 220K
PB_CVBS2
READY_SCL
6VCON
CNTL_SCL
CNTL_SDA
READY_SDA
PB_LIN
R944 220K
R905 220K
R930 100
PB_RIN
STB_SCL
5VSTCON
R931 100
IR_SW
STB_SDA
AV_LOUT
5VST_DS
R982 47K
VSC_CVBS
AV_ROUT
R911 4.7K
CAPTION_HS
CAPTION_VS
IR
R986 100
/PB_DET
C8973 *
R999 *

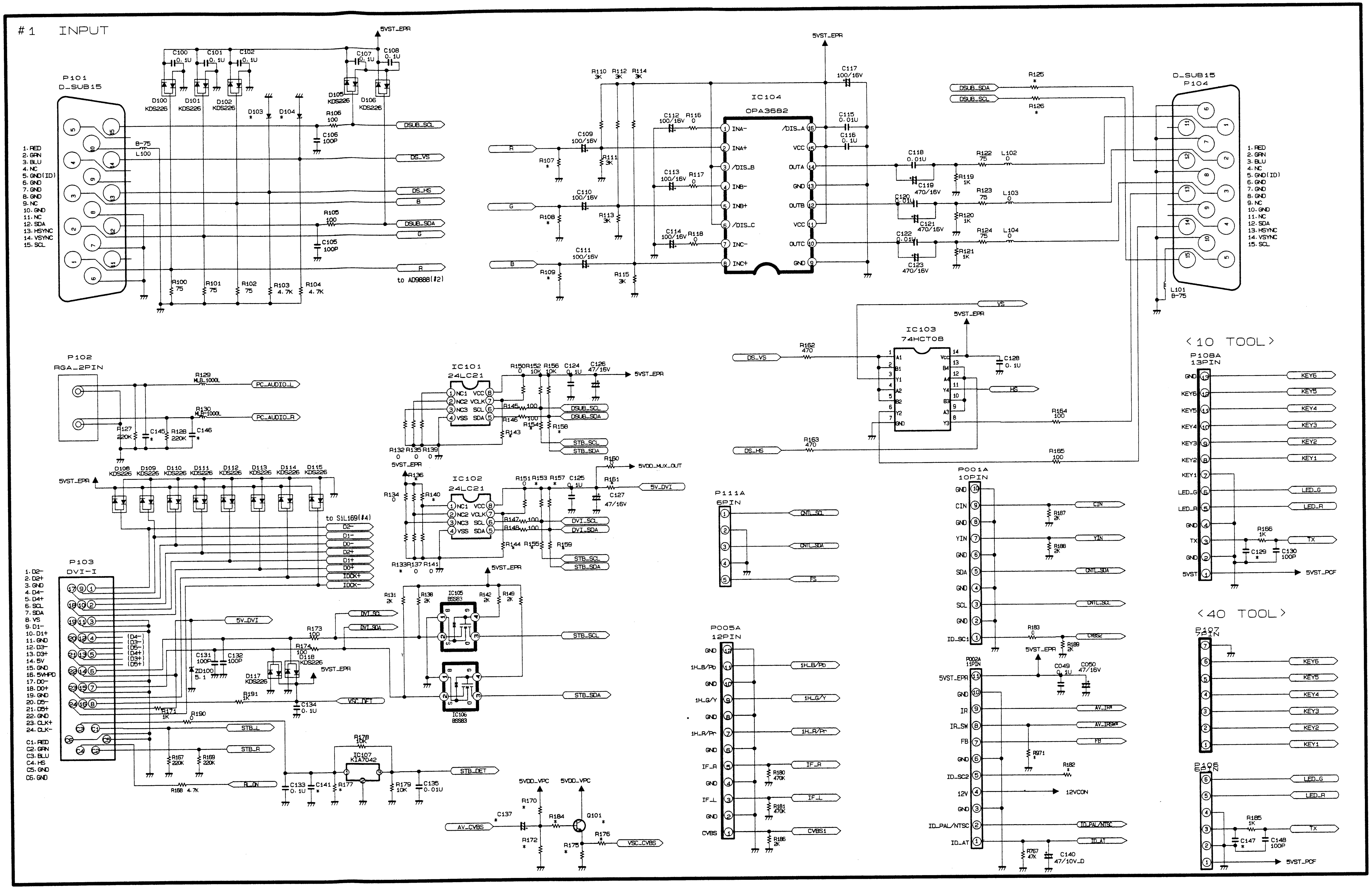


3.3VST_CPU2
R846 1K
SW102
DOWNLOAD_S/W
R847 220
C752 0.1U
BOOT_IO
IR_SW
R987 100
5VST_EPR
IC917
74ACT253SC
/OEa
S1
I3a
I2a
I1a
I0a
Za
GND
Vcc
/OEb
S0
I3b
I2b
I1b
I0b
Zb
C871 0.1U
IR
TX
R950 47
R955 1K
C902 1K
R918 *
TX_INT_PRE
5VST_EAR
R924 22K
C901 *
R823 4.7K
R922 0
R921 2K
IR_SW
IR
R925 1K
R926 *
IR_JACK
P105

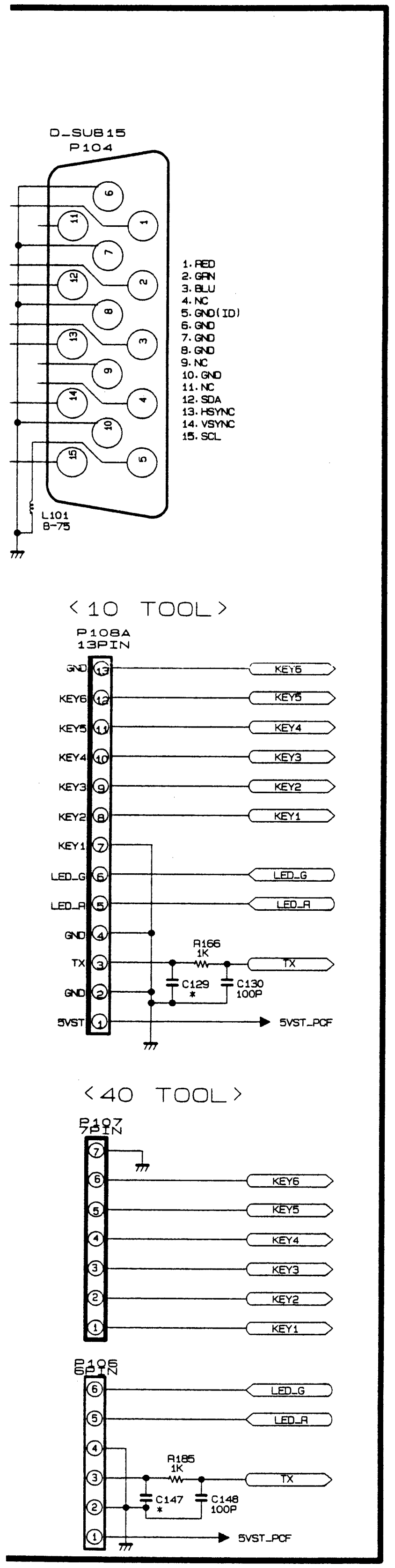
8


#1 INPUT
P101
D_SUB15
1. RED
2. GRN
3. BLU
4. NC
5. GND(ID)
6. GND
7. GND
8. GND
9. NC
10. GND
11. NC
12. SDA
13. HSYNC
14. VSYNC
15. SCL
5VST_EPR
D100 KDS226
D101 KDS226
D102 KDS226
D105 KDS226
D106 KDS226
DSUB_SCL
DS_VS
DS_HS
DSUB_SDA
to AD9888(#2)
P102
RGA_2PIN
PC_AUDIO_L
PC_AUDIO_R
P103
DVI-I
to SiL169(#4)
IC101
24LC21
IC102
24LC21
DVI_SCL
DVI_SDA
STB_SCL
STB_SDA
5VDD_MUX_OUT
5V_DVI
IC105
BSS83
IC106
BSS83
IC107
KIA7042
STB_DET
AV_CVBS
VSC_CVBS
Q101
IC104
OPA3682
IC103
74HCT08
D_SUB15
P104
<10 TOOL>
P108A
13PIN
KEY6
KEY5
KEY4
KEY3
KEY2
KEY1
LED_G
LED_R
TX
5VST_PCF
<40 TOOL>
P107
7PIN
P106
6PIN
P111A
6PIN
CNTL_SCL
CNTL_SDA
FS
P005A
12PIN
1H_B/Pb
1H_G/Y
1H_R/Pr
IF_R
IF_L
CVBS1
P001A
10PIN
CIN
YIN
CNTL_SDA
CNTL_SCL
CVBS2
P002A
11PIN
AV_IR
AV_IRSW
FB
12VCON
ID_PAL/NTSC
ID_AT

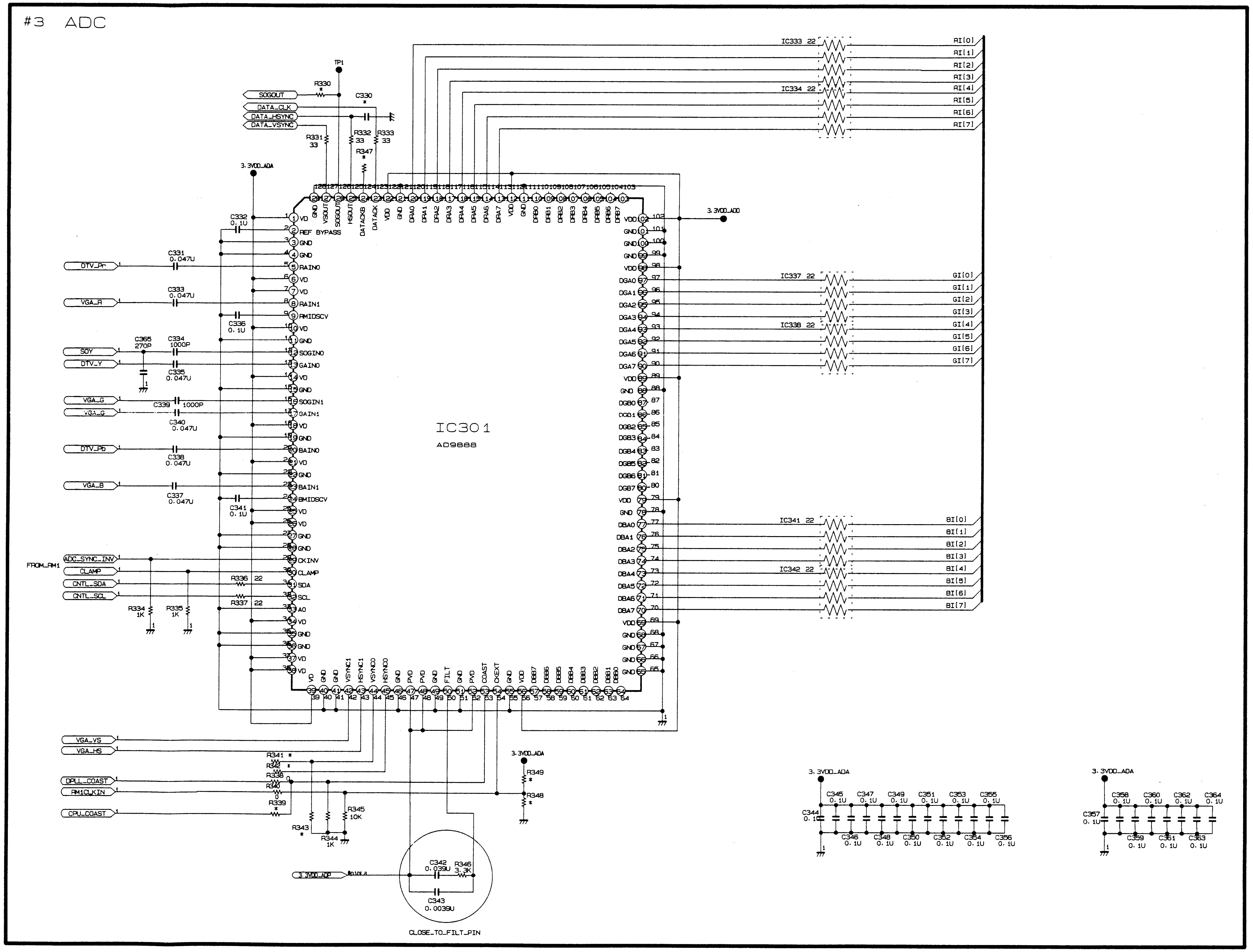

#1 INPUT
P101
D_SUB15
IC104
OPA3682
D_SUB15
P104


#1 INPUT
P101
D_SUB15
1. RED
2. GRN
3. BLU
4. NC
5. GND(ID)
6. GND
7. GND
8. GND
9. NC
10. GND
11. NC
12. SDA
13. HSYNC
14. VSYNC
15. SCL
5VST_EPR
C100 0.1U
C101 0.1U
C102 0.1U
C107 0.1U
C108 0.1U
D100 KDS226
D101 KDS226
D102 KDS226
D105 KDS226
D106 KDS226
D103
D104
R106 100
C106 100P
R105 100
C105 100P
B-75 L100
R100 75
R101 75
R102 75
R103 4.7K
R104 4.7K
DSUB_SCL
DS_VS
DS_HS
B
DSUB_SDA
G
R
to AD9888(#2)
IC104
OPA3682
R110 3K
R112 3K
R114 3K
C112 100/16V
R116 0
C113 100/16V
R117 0
C114 100/16V
R118 0
C109 100/16V
C110 100/16V
C111 100/16V
R107
R108
R109
R111 3K
R113 3K
R115 3K
INA-
INA+
/DIS_B
INB-
INB+
/DIS_C
INC-
INC+
/DIS_A
VCC
OUTA
GND
OUTB
OUTC
C117 100/16V
C115 0.01U
C116 0.1U
C118 0.01U
C119 470/16V
C120 0.01U
C121 470/16V
C122 0.01U
C123 470/16V
R122 75
R123 75
R124 75
L102 0
L103 0
L104 0
R119 1K
R120 1K
R121 1K
R125
R126
DSUB_SDA
DSUB_SCL
D_SUB15
P104
L101 B-75
IC103
74HCT08
VS
HS
DS_VS
DS_HS
R162 470
R163 470
R164 100
R165 100
C128 0.1U
P102
RGA_2PIN
R129 MLB_1000L
R130 MLB_1000L
PC_AUDIO_L
PC_AUDIO_R
R127 220K
C145
R128 220K
C146
IC101
24LC21
NC1 NC2 NC3 VSS VCC VCLK SCL SDA
R150 0
R152 10K
R156 10K
C124 0.1U
C126 47/16V
5VST_EPR
R145 100
R146 100
R154
R158
R143
R132 0
R135 0
R139 0
STB_SCL
STB_SDA
IC102
24LC21
R151 0
R153
R157
C125 0.1U
R160
R161
C127 47/16V
5VDD_MUX_OUT
5V_DVI
R134 0
R136
R140
R147 100
R148 100
R144
R155
R159
DVI_SCL
DVI_SDA
R133
R137 0
R141 0
D108 KDS226
D109 KDS226
D110 KDS226
D111 KDS226
D112 KDS226
D113 KDS226
D114 KDS226
D115 KDS226
to SIL169(#4)
D2-
D1-
D0-
D2+
D1+
D0+
IDCK+
IDCK-
P103
DVI-I
1. D2-
2. D2+
3. GND
4. D4-
5. D4+
6. SCL
7. SDA
8. VS
9. D1-
10. D1+
11. GND
12. D3-
13. D3+
14. 5V
15. GND
16. 5VHPD
17. D0-
18. D0+
19. GND
20. D5-
21. D5+
22. GND
23. CLK+
24. CLK-
C1. RED
C2. GRN
C3. BLU
C4. HS
C5. GND
C6. GND
(D4-) (D3-) (D5-) (D4+) (D3+) (D5+)
5V_DVI
C131 100P
C132 100P
ZD100 5.1
R173 100
R174 100
D118 KDS226
D117 KDS226
R191 1K
C134 0.1U
VSC_DET
R171 1K
R190 0
STB_L
STB_R
R167 220K
R169 220K
R168 4.7K
BL_ON
R131 2K
R138 2K
IC105 BSS83
R142 2K
R149 2K
IC106 BSS83
STB_SCL
STB_SDA
R178 10K
IC107 KIA7042
C133 0.1U
C141
R177
R179 10K
C135 0.01U
STB_DET
5VDD_VPC
R170
R172
C137
AV_CVBS
R184
Q101
R175
R176
VSC_CVBS
P111A
6PIN
CNTL_SCL
CNTL_SDA
FS
P005A
12PIN
GND
1H_B/Pb
1H_G/Y
1H_R/Pr
IF_R
IF_L
CVBS
R180 470K
R181 470K
R186 2K
CVBS1
P001A
10PIN
CIN
YIN
SDA
SCL
ID_SC1
R187 2K
R188 2K
CNTL_SDA
CNTL_SCL
R183 0
R189 2K
CVBS2
P002A 11PIN
5VST_EPR
C049 0.1U
C050 47/16V
IR
IR_SW
FB
ID_SC2
12V
ID_PAL/NTSC
ID_AT
AV_IR
AV_IRSW
R971
R182
12VCON
R767 47K
C140 47/10V_D
<10 TOOL>
P108A
13PIN
KEY6
KEY5
KEY4
KEY3
KEY2
KEY1
LED_G
LED_R
TX
5VST
R166 1K
C129
C130 100P
5VST_PCF
<40 TOOL>
P107
7PIN
P106
6PIN
R185 1K
C147
C148 100P
Tx

#2

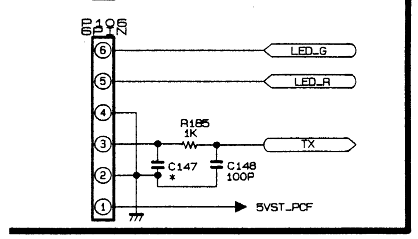

D_SUB15
P104
1. RED
2. GRN
3. BLU
4. NC
5. GND(ID)
6. GND
7. GND
8. GND
9. NC
10. GND
11. NC
12. SDA
13. HSYNC
14. VSYNC
15. SCL
L101
B-75
<10 TOOL>
P108A
13PIN
GND
KEY6
KEY5
KEY4
KEY3
KEY2
KEY1
LED_G
LED_R
TX
5VST
R166
1K
C129
C130
100P
5VST_PCF
<40 TOOL>
P107
7PIN
P108
6PIN
R185
1K
C147
C148
100P
5VST_PCF

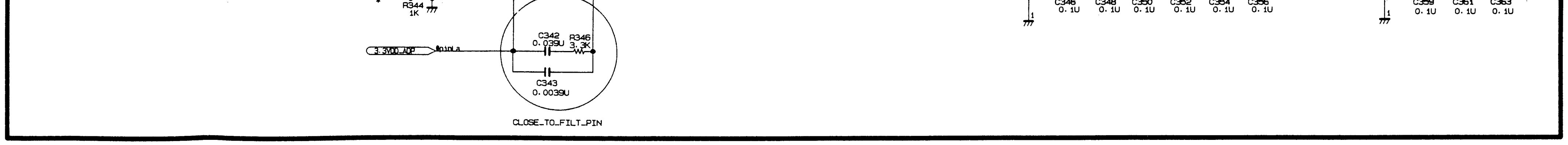
#3 ADC

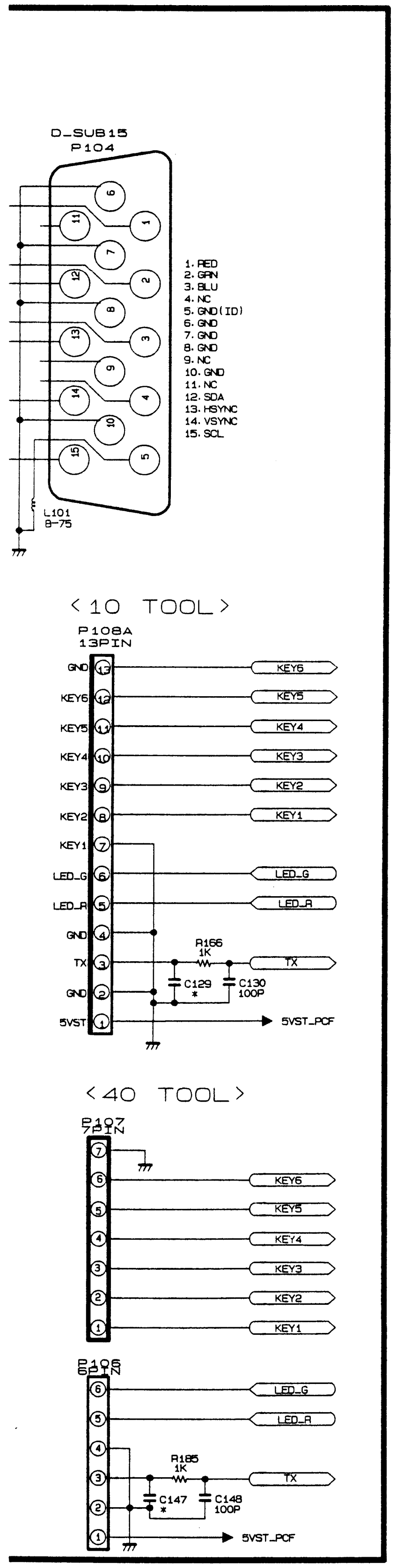

TP1
R330
C330
SOGOUT
DATA_CLK
DATA_HSYNC
DATA_VSYNC
R331
33
R332
33
R333
33
R347
3.3VDD_ADA
C332
0.1U
DTV_Pr
C331
0.047U
VGA_R
C333
0.047U
C336
0.1U
SOY
DTV_Y
C365
270P
C334
1000P
C335
0.047U
VGA_G
C339
1000P
C340
0.047U
DTV_Pb
C338
0.047U
VGA_B
C337
0.047U
C341
0.1U
FROM_RM1
ADC_SYNC_INV
CLAMP
CNTL_SDA
CNTL_SCL
R336 22
R337 22
R334
1K
R335
1K
VD
REF BYPASS
GND
RAIN0
RMIDSCV
SOGIN0
GAIN0
SOGIN1
GAIN1
BAIN0
BAIN1
BMIDSCV
CKINV
CLAMP
SDA
SCL
A0
IC301
AD9888
VSOUT
SOGOUT
HSOUT
DATACK
DATACKB
VDD
DRA0
DRA1
DRA2
DRA3
DRA4
DRA5
DRA6
DRA7
DRB0
DRB1
DRB2
DRB3
DRB4
DRB5
DRB6
DRB7
3.3VDD_ADD
DGA0
DGA1
DGA2
DGA3
DGA4
DGA5
DGA6
DGA7
DGB0
DGB1
DGB2
DGB3
DGB4
DGB5
DGB6
DGB7
DBA0
DBA1
DBA2
DBA3
DBA4
DBA5
DBA6
DBA7
VSYNC1
HSYNC1
VSYNC0
HSYNC0
PVD
FILT
COAST
CKEXT
DBB7
DBB6
DBB5
DBB4
DBB3
DBB2
DBB1
DBB0
IC333 22
IC334 22
RI[0]
RI[1]
RI[2]
RI[3]
RI[4]
RI[5]
RI[6]
RI[7]
IC337 22
IC338 22
GI[0]
GI[1]
GI[2]
GI[3]
GI[4]
GI[5]
GI[6]
GI[7]
IC341 22
IC342 22
BI[0]
BI[1]
BI[2]
BI[3]
BI[4]
BI[5]
BI[6]
BI[7]
VGA_VS
VGA_HS
DPLL_COAST
RM1CLKIN
CPU_COAST
R341
R342
R338
0
R340
R339
R343
R344
1K
R345
10K
R349
R348
3.3VDD_ADP
C342
0.039U
R346
3.3K
C343
0.0039U
CLOSE_TO_FILT_PIN
3.3VDD_ADA
C344
0.1U
C345
0.1U
C346
0.1U
C347
0.1U
C348
0.1U
C349
0.1U
C350
0.1U
C351
0.1U
C352
0.1U
C353
0.1U
C354
0.1U
C355
0.1U
C356
0.1U
C357
0.1U
C358
0.1U
C359
0.1U
C360
0.1U
C361
0.1U
C362
0.1U
C363
0.1U
C364
0.1U

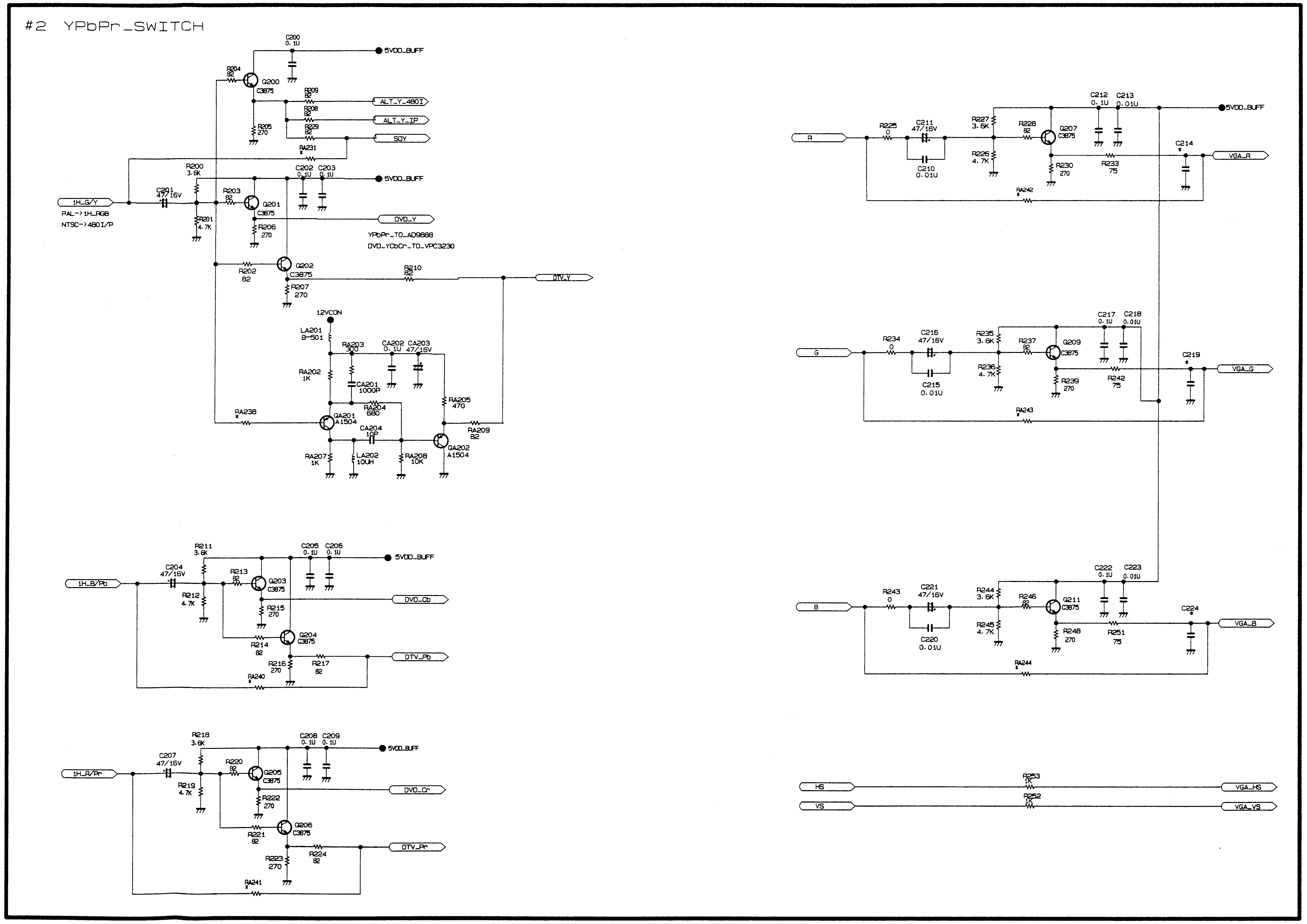
#2 YPbPr_SWITCH

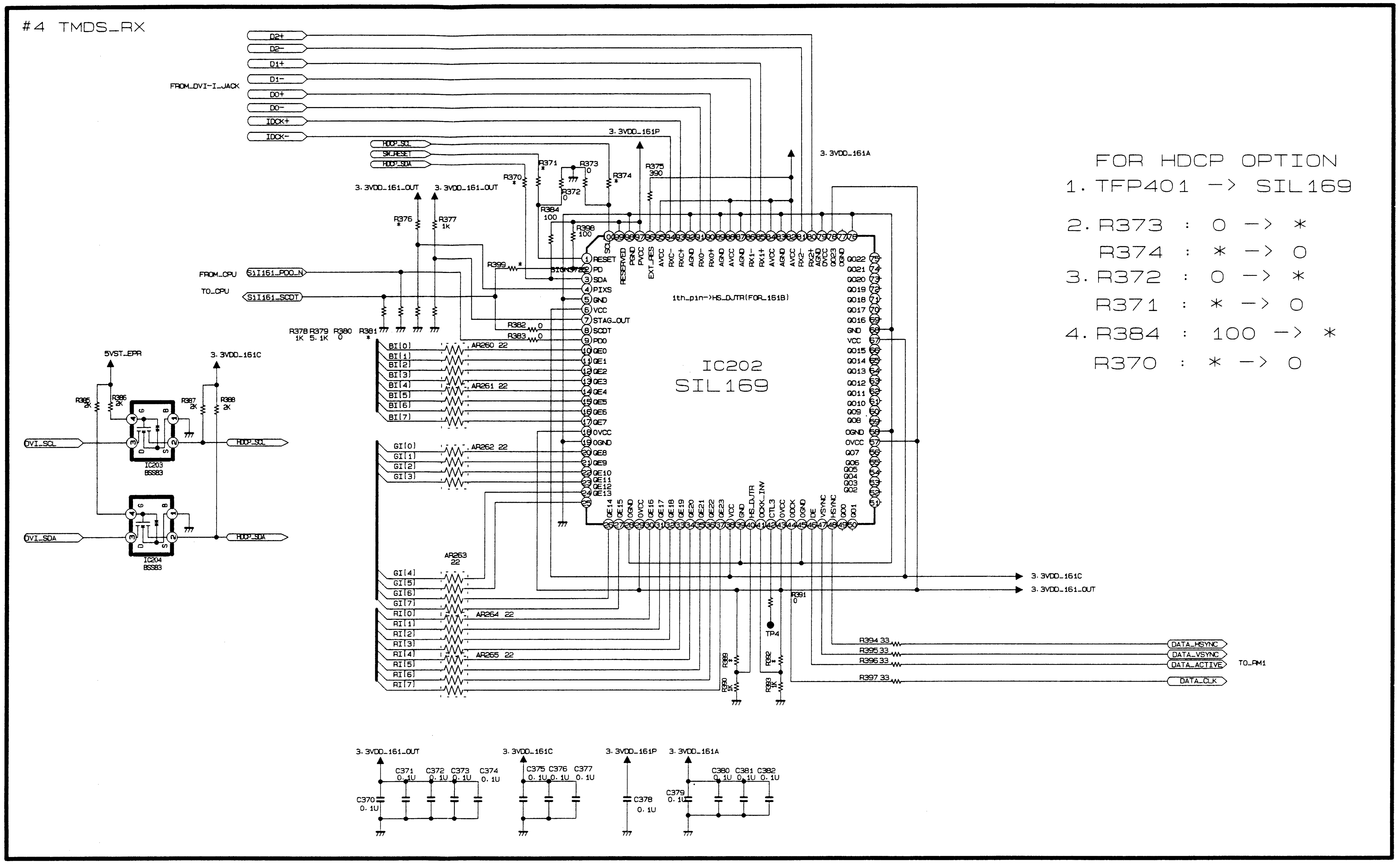
C200
0.1U
5VDD_BUFF


P106
6PIN
LED_G
LED_R
R185
1K
TX
C147
*
C148
100P
5VST_PCF


R344
1K
3.3VDD_ADP
C342
0.039U
R346
3.3K
C343
0.0039U
CLOSE_TO_FILT_PIN
C346
0.1U
C348
0.1U
C350
0.1U
C352
0.1U
C354
0.1U
C356
0.1U
C359
0.1U
C361
0.1U
C363
0.1U

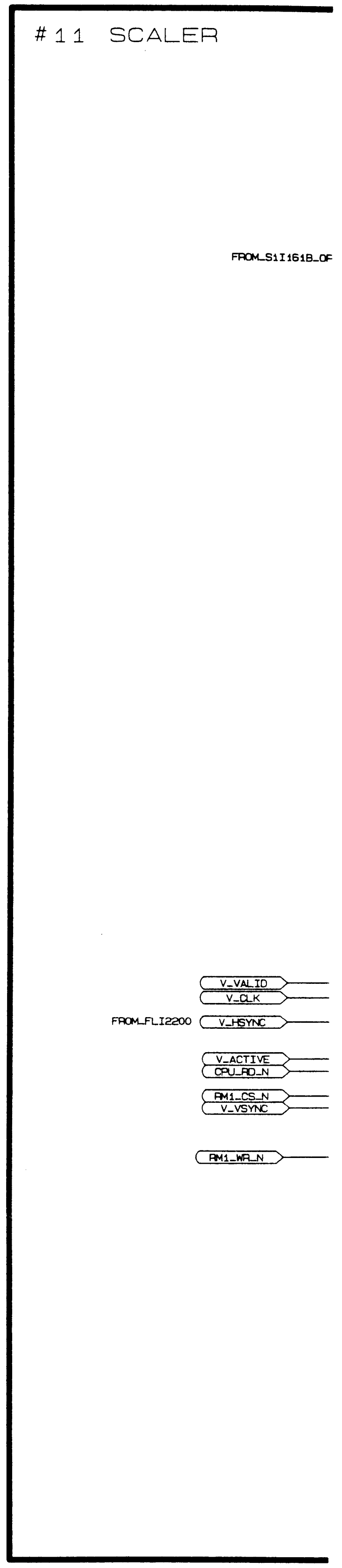

D_SUB15
P104
1. RED
2. GRN
3. BLU
4. NC
5. GND(ID)
6. GND
7. GND
8. GND
9. NC
10. GND
11. NC
12. SDA
13. HSYNC
14. VSYNC
15. SCL
L101
B-75
<10 TOOL>
P108A
13PIN
GND
KEY6
KEY5
KEY4
KEY3
KEY2
KEY1
LED_G
LED_R
GND
TX
GND
5VST
R166
1K
C129
*
C130
100P
5VST_PCF
<40 TOOL>
P107
7PIN
KEY6
KEY5
KEY4
KEY3
KEY2
KEY1
P106
6PIN
LED_G
LED_R
R185
1K
TX
C147
*
C148
100P
5VST_PCF

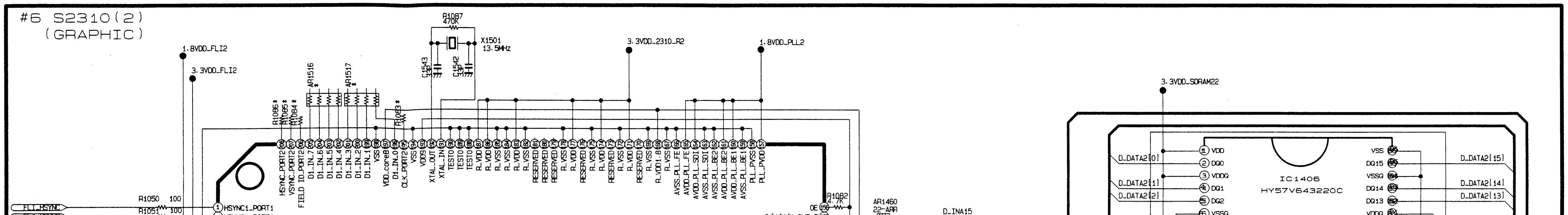

#2 YPbPr_SWITCH
C200
0.1U
5VDD_BUFF
R204
82
Q200
C3875
R209
82
ALT_Y_480I
R208
82
ALT_Y_IP
R229
82
SOY
R205
270
RA231
*
R200
3.6K
C202
0.1U
C203
0.1U
5VDD_BUFF
1H_G/Y
PAL->1H_RGB
NTSC->480I/P
C201
47/16V
R203
82
Q201
C3875
R201
4.7K
R206
270
DVD_Y
YPbPr_TO_AD9888
DVD_YCbCr_TO_VPC3230
R202
82
Q202
C3875
R207
270
R210
82
DTV_Y
12VCON
LA201
B-501
RA203
390
CA202
0.1U
CA203
47/16V
RA202
1K
CA201
1000P
RA204
680
RA205
470
RA238
*
QA201
A1504
CA204
10P
RA209
82
QA202
A1504
RA207
1K
LA202
10UH
RA208
10K
R211
3.6K
C205
0.1U
C206
0.1U
5VDD_BUFF
1H_B/Pb
C204
47/16V
R213
82
Q203
C3875
R212
4.7K
DVD_Cb
R215
270
Q204
C3875
R214
82
DTV_Pb
R216
270
R217
82
RA240
*
R218
3.6K
C208
0.1U
C209
0.1U
5VDD_BUFF
1H_R/Pr
C207
47/16V
R220
82
Q205
C3875
R219
4.7K
DVD_Cr
R222
270
Q206
C3875
R221
82
DTV_Pr
R223
270
R224
82
RA241
*
C212
0.1U
C213
0.01U
5VDD_BUFF
R
R225
0
C211
47/16V
R227
3.6K
R228
82
Q207
C3875
C214
*
VGA_R
R226
4.7K
R230
270
R233
75
C210
0.01U
RA242
*
C217
0.1U
C218
0.01U
G
R234
0
C216
47/16V
R235
3.6K
R237
82
Q209
C3875
C219
*
VGA_G
R236
4.7K
R239
270
R242
75
C215
0.01U
RA243
*
C222
0.1U
C223
0.01U
B
R243
0
C221
47/16V
R244
3.6K
R246
82
Q211
C3875
C224
*
VGA_B
R245
4.7K
R248
270
R251
75
C220
0.01U
RA244
*
HS
R253
1K
VGA_HS
VS
R252
1K
VGA_VS

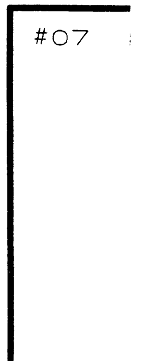

#4 TMDS_RX
FROM_DVI-I_JACK
D2+
D2-
D1+
D1-
D0+
D0-
IDCK+
IDCK-
HDCP_SCL
SW_RESET
HDCP_SDA
FROM_CPU
SII161_PDO_N
TO_CPU
SII161_SCDT
DVI_SCL
DVI_SDA
IC203
BSS83
IC204
BSS83
5VST_EPR
3.3VDD_161C
3.3VDD_161P
3.3VDD_161A
3.3VDD_161_OUT
IC202
SIL169
1th_pin->HS_DJTR(FOR_161B)
AR260 22
AR261 22
AR262 22
AR263 22
AR264 22
AR265 22
TP4
DATA_HSYNC
DATA_VSYNC
DATA_ACTIVE
DATA_CLK
TO_RM1
C370 0.1U
C371 0.1U
C372 0.1U
C373 0.1U
C374 0.1U
C375 0.1U
C376 0.1U
C377 0.1U
C378 0.1U
C379 0.1U
C380 0.1U
C381 0.1U
C382 0.1U

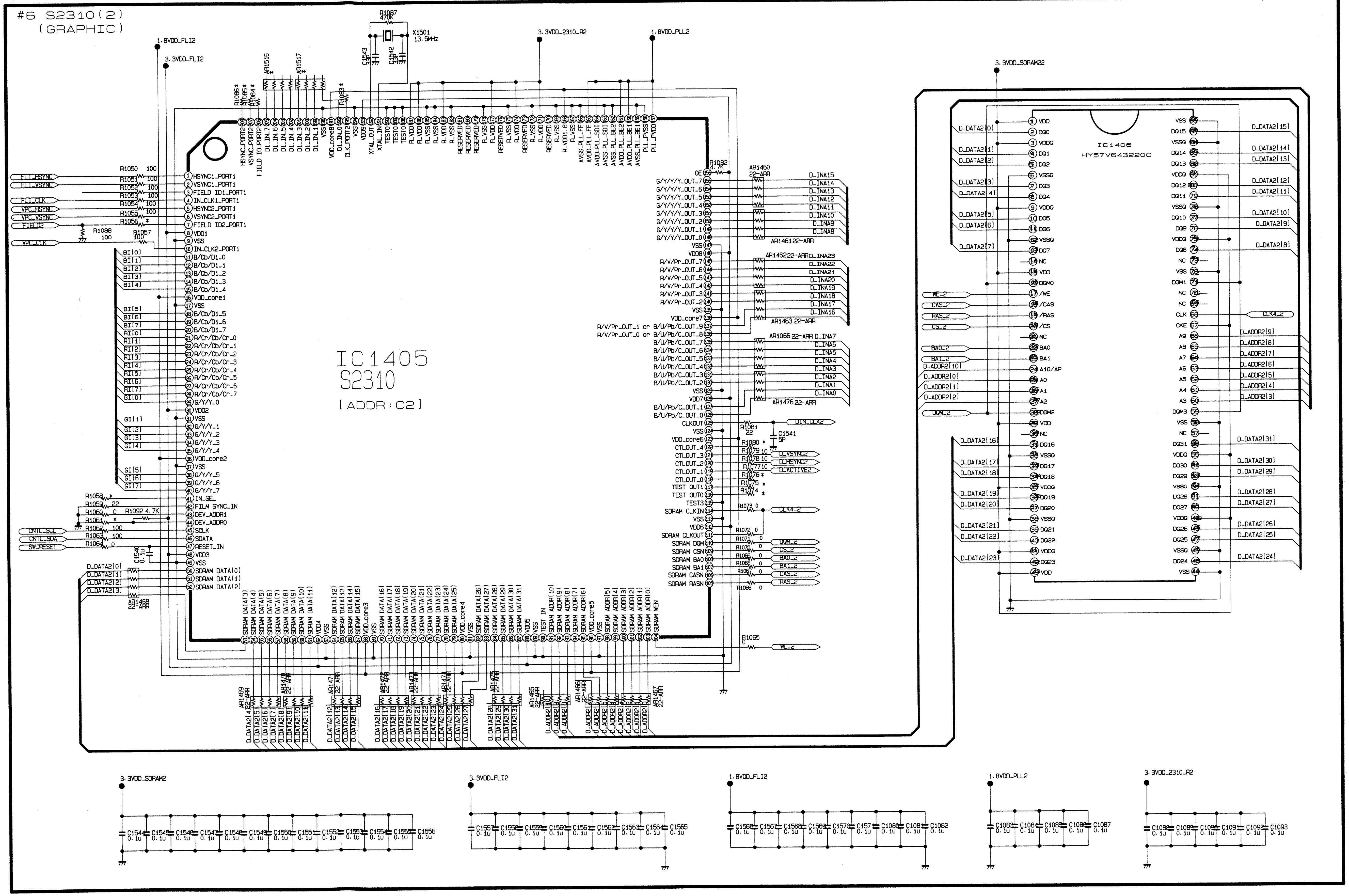
FOR HDCP OPTION
1. TFP401 -> SIL169

2. R373 : 0 -> *
R374 : * -> 0
3. R372 : 0 -> *
R371 : * -> 0
4. R384 : 100 -> *
R370 : * -> 0


#11 SCALER
FROM_SII161B_OF
V_VALID
V_CLK
FROM_FLI2200
V_HSYNC
V_ACTIVE
CPU_RD_N
RM1_CS_N
V_VSYNC
RM1_WR_N


#6 S2310(2)
(GRAPHIC)
1.8VDD_FLI2
3.3VDD_FLI2
3.3VDD_2310_R2
1.8VDD_PLL2
R1087 470K
X1501 13.5MHz
R1050 100
R1051 100
FLI_HSYNC
AR1460 22-ARR
D_INA15
3.3VDD_SDRAM22
IC1406
HY57V643220C
D_DATA2[0]
D_DATA2[1]
D_DATA2[2]
D_DATA2[15]
D_DATA2[14]
D_DATA2[13]



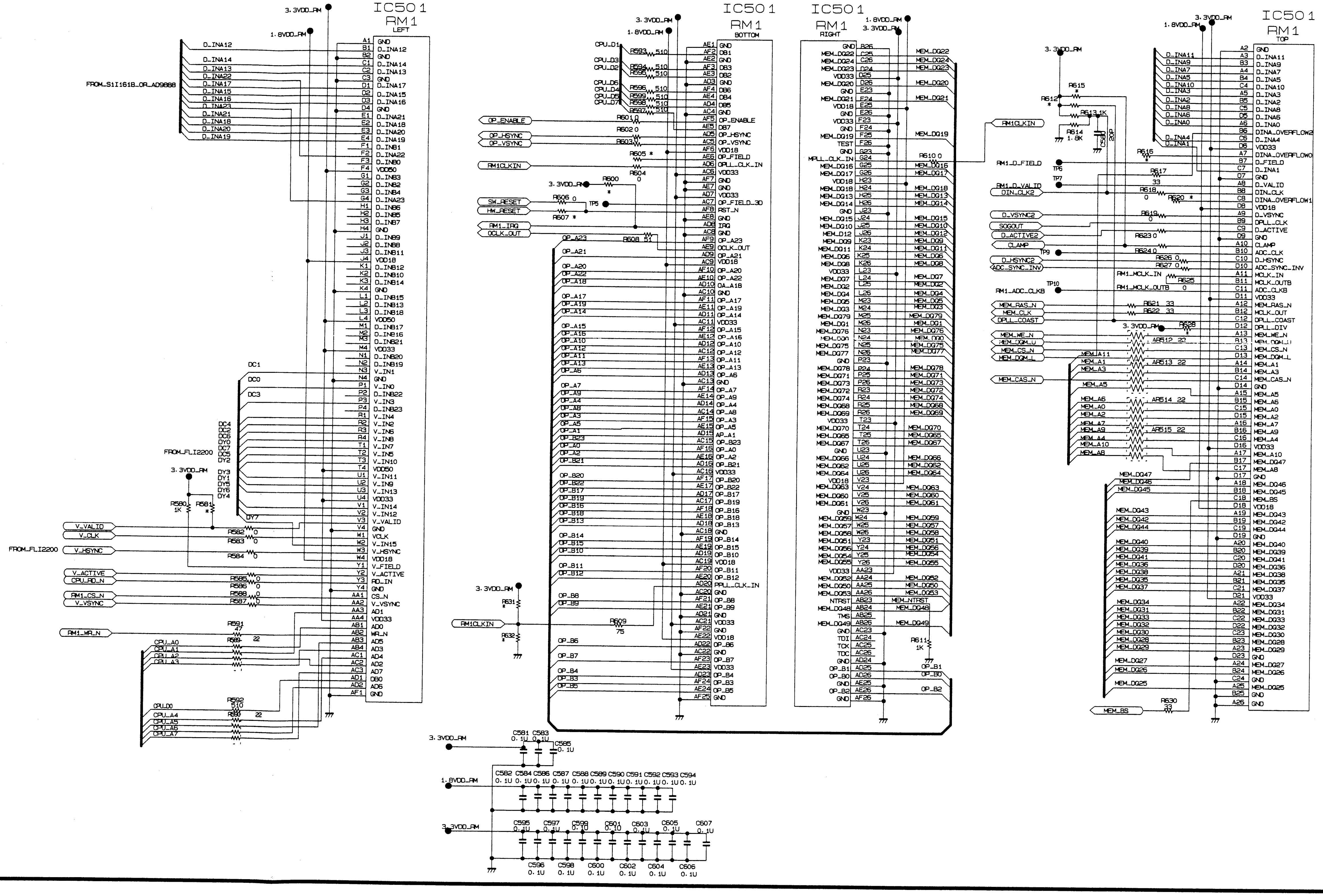


#6 S2310(2)
(GRAPHIC)
IC1405
S2310
[ADDR:C2]
IC1406
HY57V643220C
X1501
13.5MHz
R1087
470K
1.8VDD_FLI2
3.3VDD_FLI2
3.3VDD_2310_R2
1.8VDD_PLL2
3.3VDD_SDRAM22
3.3VDD_SDRAM2
FLI_HSYNC
FLI_VSYNC
FLI_CLK
VPC_HSYNC
VPC_VSYNC
FIELD2
VPC_CLK
CNTL_SCL
CNTL_SDA
SW_RESET
DIN_CLK2
D_VSYNC2
D_HSYNC2
D_ACTIVE2
CLK4_2
DQM_2
CS_2
BA0_2
BA1_2
CAS_2
RAS_2
WE_2
AR1460 22-ARR
AR1461 22-ARR
AR1462 22-ARR
AR1463 22-ARR
AR1066 22-ARR
AR1476 22-ARR
AR1468 22-ARR
AR1469 22-ARR
C1541 5P
C1540 0.1u
C1545 C1546 C1547 C1548 C1549 C1550 C1551 C1552 C1553 C1554 C1555 C1556 0.1u
C1557 C1558 C1559 C1560 C1561 C1562 C1563 C1564 C1565 0.1u
C1566 C1567 C1568 C1569 C1570 C1571 C1080 C1081 C1082 0.1u
C1083 C1084 C1085 C1086 C1087 0.1u
C1088 C1089 C1090 C1091 C1092 C1093 0.1u

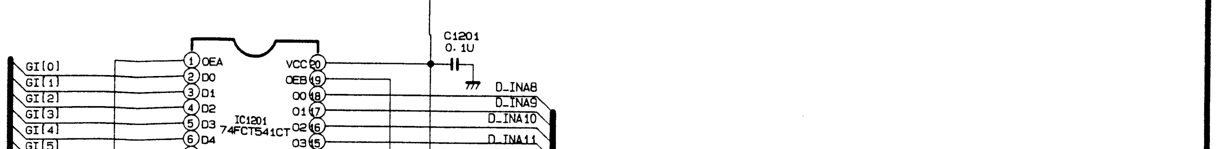
#07
D_VSYN
D_HSYN
D_CLK
D_ACTI
DATA_VSY
DATA_HSY
DATA_CLK
DATA_HSY

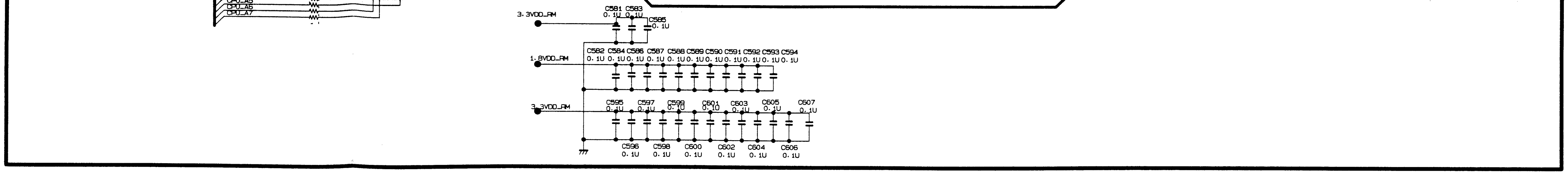
M

#11 SCALER

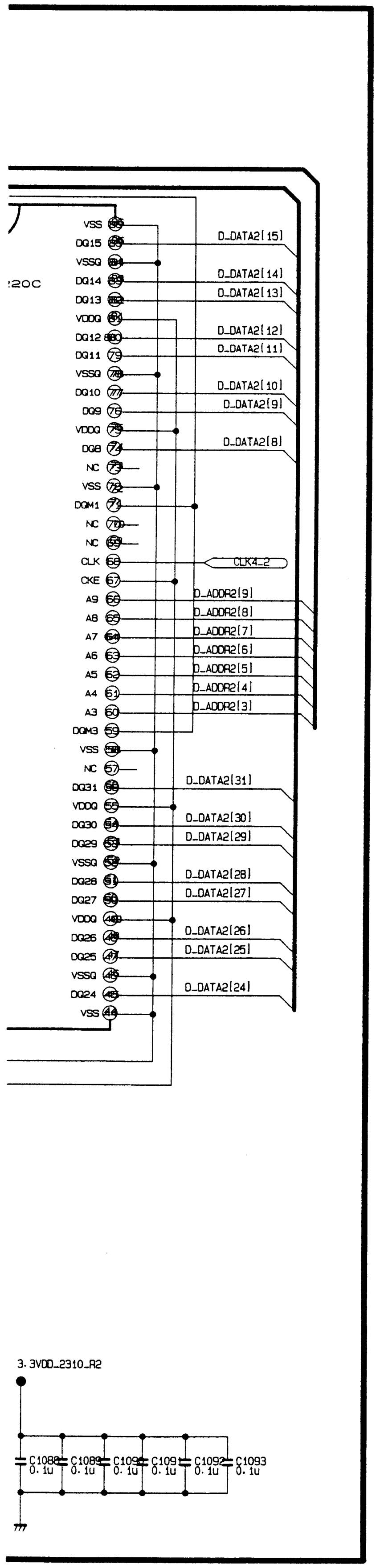

IC501
RM1
LEFT
BOTTOM
RIGHT
TOP
3.3VDD_RM
1.8VDD_RM
FROM_S1I1618_OR_AD9888
FROM_FLI2200
V_VALID
V_CLK
V_HSYNC
V_ACTIVE
CPU_RD_N
RM1_CS_N
V_VSYNC
RM1_WR_N
OP_ENABLE
OP_HSYNC
OP_VSYNC
RM1CLKIN
SW_RESET
HW_RESET
RM1_IRQ
OCLK_OUT
TP5
RM1_D_FIELD
RM1_D_VALID
DIN_CLK2
D_VSYNC2
SOGOUT
D_ACTIVE2
CLAMP
D_HSYNC2
ADC_SYNC_INV
RM1_MCLK_IN
RM1_MCLK_OUTB
RM1_ADC_CLKB
MEM_RAS_N
MEM_CLK
DPLL_COAST
MEM_WE_N
MEM_DQM_U
MEM_CS_N
MEM_DQM_L
MEM_CAS_N
MEM_BS
AR512 22
AR513 22
AR514 22
AR515 22
C581 0.1U
C583 0.1U
C585 0.1U
C582 C584 C586 C587 C588 C589 C590 C591 C592 C593 C594
0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U
C595 0.1U
C597 0.1U
C599 0.1U
C601 0.1U
C603 0.1U
C605 0.1U
C607 0.1U
C596 0.1U
C598 0.1U
C600 0.1U
C602 0.1U
C604 0.1U
C606 0.1U

#07 BUFFER

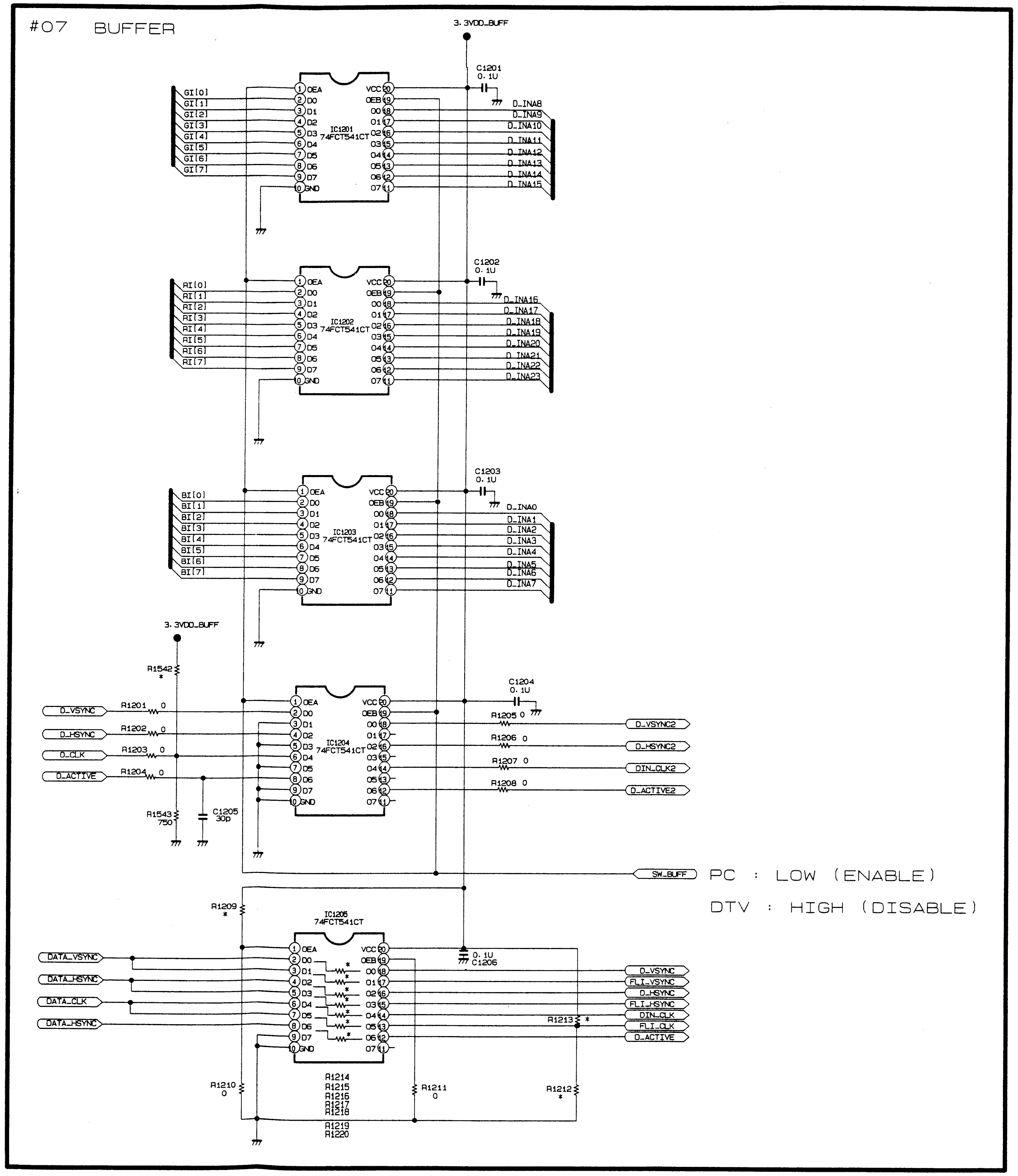

3.3VDD_BUFF
C1201
0.1U
IC1201
74FCT541CT
GI[0]
GI[1]
GI[2]
GI[3]
GI[4]
GI[5]
OEA
D0
D1
D2
D3
D4
VCC
OEB
O0
O1
O2
O3
D_INA8
D_INA9
D_INA10
D_INA11



CPU_A5
CPU_A6
CPU_A7
3.3VDD_RM
C581 0.1U
C583 0.1U
C585 0.1U
1.8VDD_RM
C582 C584 C586 C587 C588 C589 C590 C591 C592 C593 C594
0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U 0.1U
3.3VDD_RM
C595 0.1U
C597 0.1U
C599 0.1U
C601 0.1U
C603 0.1U
C605 0.1U
C607 0.1U
C596 0.1U
C598 0.1U
C600 0.1U
C602 0.1U
C604 0.1U
C606 0.1U



20C
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VDDQ
DQ8
NC
VSS
DQM1
NC
NC
CLK
CKE
A9
A8
A7
A6
A5
A4
A3
DQM3
VSS
NC
DQ31
VDDQ
DQ30
DQ29
VSSQ
DQ28
DQ27
VDDQ
DQ26
DQ25
VSSQ
DQ24
VSS
D_DATA2[15]
D_DATA2[14]
D_DATA2[13]
D_DATA2[12]
D_DATA2[11]
D_DATA2[10]
D_DATA2[9]
D_DATA2[8]
CLK4_2
D_ADDR2[9]
D_ADDR2[8]
D_ADDR2[7]
D_ADDR2[6]
D_ADDR2[5]
D_ADDR2[4]
D_ADDR2[3]
D_DATA2[31]
D_DATA2[30]
D_DATA2[29]
D_DATA2[28]
D_DATA2[27]
D_DATA2[26]
D_DATA2[25]
D_DATA2[24]
3.3VDD_2310_R2
C1088 0.1u
C1089 0.1u
C1090 0.1u
C1091 0.1u
C1092 0.1u
C1093 0.1u



#07 BUFFER
3.3VDD_BUFF
C1201 0.1U
GI[0] GI[1] GI[2] GI[3] GI[4] GI[5] GI[6] GI[7]
IC1201 74FCT541CT
OEA D0 D1 D2 D3 D4 D5 D6 D7 GND
VCC OEB O0 O1 O2 O3 O4 O5 O6 O7
D_INA8 D_INA9 D_INA10 D_INA11 D_INA12 D_INA13 D_INA14 D_INA15
C1202 0.1U
RI[0] RI[1] RI[2] RI[3] RI[4] RI[5] RI[6] RI[7]
IC1202 74FCT541CT
D_INA16 D_INA17 D_INA18 D_INA19 D_INA20 D_INA21 D_INA22 D_INA23
C1203 0.1U
BI[0] BI[1] BI[2] BI[3] BI[4] BI[5] BI[6] BI[7]
IC1203 74FCT541CT
D_INA0 D_INA1 D_INA2 D_INA3 D_INA4 D_INA5 D_INA6 D_INA7
3.3VDD_BUFF
R1542 *
D_VSYNC
D_HSYNC
D_CLK
D_ACTIVE
R1201 0
R1202 0
R1203 0
R1204 0
R1543 750
C1205 30p
IC1204 74FCT541CT
C1204 0.1U
R1205 0
R1206 0
R1207 0
R1208 0
D_VSYNC2
D_HSYNC2
DIN_CLK2
D_ACTIVE2
SW_BUFF
PC : LOW (ENABLE)
DTV : HIGH (DISABLE)
R1209 *
IC1205 74FCT541CT
0.1U C1206
DATA_VSYNC
DATA_HSYNC
DATA_CLK
DATA_HSYNC
D_VSYNC
FLI_VSYNC
D_HSYNC
FLI_HSYNC
DIN_CLK
FLI_CLK
D_ACTIVE
R1213 *
R1210 0
R1214
R1215
R1216
R1217
R1218
R1219
R1220
R1211 0
R1212 *